

Board of Governors



Khaled



Vincent



Sergio



Roberto



Fambirai



Zhi



Robert



Harold



Nelson



Stefano



Nei



Xuemin



Stefano



Robert



Yuguang



Zhisheng



Joel



Hikmet



Fabrizio



Tarik



Ashutosh



Song



Saewoong



Adlen



Lisandro



Wahab



Octavia



Tarek



Nada



Ian



Lajos



Wanjiun



David



Ricardo



Gerhard



Ekram



Urbashi



Wei



Octavia



Philippa



Petar



Chengshan

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 Vincent Chan President-Elect
 Sergio Benedetto IEEE Division III Director
 Roberto de Marca Parliamentarian
 Fambirai Takawira Treasurer
 Zhi Ding Chief Information Officer
 Robert Fish Chief Marketing Officer
 Harold Tepper Executive Director

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 Stefano Bregni Conferences
 Nei Kato Member & Global Activities
 Xuemin (Sherman) Shen Publications
 Stefano Galli Industry & Standards Activities

Directors

Robert Schober Journals
 Yuguang (Michael) Fang Magazines
 Zhisheng Niu Online Content
 Joel Rodrigues Conference Development
 Hikmet Sari Conference Operations
 Fabrizio Granelli Educational Services
 Tarik Taleb Technical Committees
 Ashutosh Dutta Industry Outreach
 Song Guo Membership Services
 Saewoong Bahk Asia/Pacific Region
 Adlen Ksentini EMEA Region
 Lisandro Z. Granville..... Latin American Region
 Wahab Almuhtadi North American Region
 Octavia Dobre Sister & Related Societies
 Tarek S. El-Bawab..... Standards Development
 Nada Golmie Standardization Programs
 Development
 Ian Wong Industry Communities

Members At Large

2017-2019	2018-2020	2019-2021
Lajos Hanzo	Gerhard Fettweis	Octavia Dobre
Wanjiun Liao	Ekram Hossain	Philippa Martin
David Michelson	Urbashi Mitra	Petar Popovski
Ricardo Veiga	Wei Zhang	Chengshan Xiac

COMSOC COMMUNITY

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ORGANIZATION

BOARD OF GOVERNORS

ELECTED OFFICERS 2018-2019 (voting)

President	Khaled B. Letaief *
President-Elect	Vincent Chan *
Vice President - Technical & Educational Activities ...	Nelson Fonseca *
Vice President - Conferences	Stefano Bregni *
Vice President - Member & Global Activities	Nei Kato*
Vice President – Publications	Xuemin (Sherman) Shen *
Vice President – Industry & Standards Activities	Stefano Galli *

APPOINTED OFFICERS 2018-2019 (non-voting)

Treasurer	Fambirai Takawira*
Parliamentarian	Roberto de Marca *
Chief Information Officer (CIO)	Zhi Ding
Chief Marketing Officer	Robert Fish
Director – Journals	Robert Schober
Director – Magazines	Yuguang (Michael) Fang
Director – Online Content	Zhisheng Niu
Director – Conference Development	Joel Rodrigues
Director – Conference Operations	Hikmet Sari
Director - Educational Services	Fabrizio Granelli
Director - Technical Services	Tarik Taleb
Director - Industry Outreach	Ashutosh Dutta
Director - Membership Services	Song Guo
Director - Asia/Pacific Region	Saewoong Bahk
Director - Europe, Middle-East & Africa Region	Adlen Ksentini
Director - Latin America Region	Lisandro Zambenedetti Granville
Director - North America Region	Wahab Almuhtadi
Director - Sister & Related Societies	Octavia Dobre
Director - Standards Development	Tarek S. El-Bawab
Director - Standardization Programs Development	Nada Golmie
Director – Industry Communities	Ian Wong
Executive Director	Harold Tepper*
Recording Secretary	Carol Cronin

MEMBERS-AT-LARGE (elected-voting)*

2017-2019	2018-2020	2019-2021
Lajos Hanzo	Gerhard Fettweis	Octavia Dobre
Wanjiun Liao	Ekram Hosseini	Philippa Martin
David Michelson	Urbashi Mitra	Petar Popovski
Ricardo Veiga*	Wei Zhang *	Chengshan Xiao*

IEEE DIVISION III (elected-voting)

Director	* Sergio Benedetto
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* Operating Committee (OpCom) attendees@ ComSoc Directors, and CIO attend each meeting as determined by President

TECHNICAL ACTIVITIES



Nelson Fonseca
Vice President

Vice President Nelson Fonseca
Staff Adam Greenberg

TECHNICAL ACTIVITIES COUNCIL

Chair..... Nelson Fonseca
Vice Chair Shiwen Mao

Technical Committee Chairs

Ad Hoc & Sensor Communications & Networks Cheng Li
Big Data Jie Li
Cognitive Networks Yue Gao
Communications & Information Security Abderrahim Benslimane
Communications Quality & Reliability Scott Poretzky
Communications Software Adlen Ksentini
Communications Switching & Routing Jun Zheng
Communications Systems Integration & Modeling Burak Kantarci
Communication Theory Urbashi Mitra
Computer Communications James Sterbenz
Data Storage Shayan Srinivasa Garani
e-Health Hsi-Pin Ma
Green Communications & Computing Yan Zhang
Information Infrastructure & Networking Rami Langar
Internet Dijiang Huang
Molecular, Biological and Multi-Scale Communications Tadashi Nakano
Multimedia Communications Honggang Wang
Network Operations & Management Filip de Turck
Optical Networking Xiaojun (Matt) Cao
Power Line Communications Gerd Bumiller
Radio Communications Yuan Shen
Satellite & Space Communications Tomaso de Cola
Signal Processing & Communications Electronics Xianbin Wang
Smart Grid Communications Angela Yingjun Zhang
Social Networks Neeli Prasad
Tactile Internet Meryem Simsek
Transmission, Access & Optical Systems Fabrizio Granelli
Wireless Communications Wei Zhang

Boards & Standing Committee Chairs in TAC

Standing Committees

Communications History	Dave Michelson
Distinguished Lecturers Selection	Shiwen Mao
Emerging Technologies	Jeffrey Andrews
Technical Committees Recertification	Nelson Fonseca

EDUCATIONAL SERVICES

Chair/Director	Fabrizio Granelli
Staff	Adam Greenberg, Tara Gallus

Rulei Ting, AT&T

Michele Zorzi, University of Padova

David Michelson, University of British Columbia

Michael Devetsikiotis, University of New Mexico

Periklis Chatzimisios, International Hellenic Univ. Greece & Bournemouth Univ., UK

Tarek El-Bawab, Jackson State University

Rhys Bowley, National Instruments

Venkatesha Prasad, TUDelft

Zhensheng Zhang

Joel Rodrigues

Carlos Lozano Garzon

Neelesh Mehta, Indian Institute of Science, Bangalore

Stefano Giordano, University of Pisa

Yves Lostanlen , SIRADEL / University of Toronto

TECHNICAL COMMITTEES BOARD

Chair/Director	Tarik Taleb
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Members:

TBD

TECHNICAL COMMITTEES

Our technical committees define and implement the technical directions of the Society. As a fundamental element of the Society, all members are invited and encouraged to participate in one or more of the technical committees. These committees are networks of professionals with common interests in communications and usually meet twice each year at major conferences. Throughout the year, these committees also play a major role in determining which events (conferences, workshops, etc.) are technically co-sponsored by ComSoc.

Ad Hoc & Sensor Communications & Networks (AHSN)

Chair Cheng Li
Vice Chair Soumaya Cherkaoui
Secretary Jiajia Liu
Standards Liaison RangaRao Vekatasha Prasad
Student Competition Program Azzedine Boukerche

This committee serves as ComSoc’s focal point in the area of wireless ad hoc and sensor networks technologies. It will play an active role in stimulating and organizing leading- edge wireless ad hoc and sensor networks symposia, workshops, sessions, and tutorials at ICC/GLOBECOM/SECON and other premier M&C venues.

Big Data

Chair Jie Li
Vice Chairs..... Jinsong Wu, Periklis Chatzimisios, Shui Yu, Kwang-Cheng Chen,
..... Mahmoud Daneshmand
Secretary Song Guo
Student Competition Ruidong Li

The goal of the Technical Committee on Big Data (TCBD), IEEE Communications Society, is to provide a premier platform for its members, and the research, development, services, applications, and standardization communities of big data processing, analysis, analytics, integration, retrieval, and networking, to interact and exchange technical ideas, to identify relevant challenges, and to collaborate and investigate solutions in the development of methodology and solution for the sciences and technologies of big data processing, analysis, analytics, integration, retrieval, and networking.

Cognitive Networks (TCCN)

Chair	Yue Gao
Vice Chair Asia Pacific	Lingyang Song
Vice Chair Americas	Daniel B. da Costa
Vice Chair Europe/Africa	Oliver Holland
Secretary	Lin Gao
Standards Liaison	Oliver Holland
Publicity Board	Vijay Rao, Yuan Ma
Student Competition Program	Lucio Marcenaro, Sai Huang
Publicity Board	Vijay Rao, Yuan Ma

The goal of TCCN is to provide a platform particularly for its members. Also, in general, for the cognitive networking research, development, policy making, and the standardization community. The committee will interact and exchange technical ideas to identify major challenges and also derive solutions in the development of cognitive networking technologies.

Communications & Information Security (CIS)

Chair	Abderrahim Benslimane
Vice Chair for Conferences	Francesco Chiti
Vice Chair for Publications	Rongxing Lu
Secretary	Bin Xiao
Standards Liaison	Neeli Prasad
Student Competition Program	Abderrahim Benslimane

This committee promotes security of all types of communication networks and forms of information, transported by them and through them, end to end.

Security interests start from the network physical layer, ending at the user application layer. It focuses on secure methods and techniques that guard the privacy and information of the user as transported by the network.

Communications Quality & Reliability (CQR)

Chair	Scott Poretzky
Chair-Elect	Tetsuya Yokotani
Vice Chair-Operations	Kohei Shiimoto
Vice Chair-Publications	Weider Yu
Vice Chair- Social Media	Chris Mayer
Vice Chair- Program Development	Michael Ryan
Treasurer	Kevin Krantz
Secretary	Tara Timblin
Student Competition Program	Kohei Shiimoto
Standards Liasion	Hideaki Yoshino
Chair- Advisory Board	Kelly Krick

This committee advocates and focuses on worldwide communications quality and reliability on behalf of, and within, the Communications Society. CQR serves as the catalyst for global awareness and the exchange of information relative to technical and management-related aspects of communications quality and reliability.

Communications Software (CommSoft)

Chair Adlen Ksentini
 Vice Chair Abdellatif Kobbane
 Secretary Abdelhamid Taha
 Standards Liaison Jaime Lloret
 Student Competition Program Abdellatif Kobbane

The mission of this committee is to advance the state of the art in communications software and its various aspects and applications. It serves as the major forum for discussion among communications software professionals in both the communications and computer industries.

Communications Switching & Routing (CSR)

Chair Jun Zheng
 Vice Chair Jian Tang
 Secretary Lotfi Mhamdi
 TC CSR Award & Sponsorship Events Chair Abdelhamid Mellouk
 HPSR Chair Abbas Jamalipour
 Standards Liaison Henry Suthon & Nirmala Shenoy
 Student Competition Program Roberto Rojas-Cessa
 NewsLetter Officer Lo-fi Mhamdi
 SIG Officer Scott Fowler

The objective of this committee is to sponsor publications, conference technical sessions, workshops, and topical meetings and discussions in the theory and applications of information switching. Specific areas include, but are not limited to: theory, architecture, traffic, performance, signaling protocol and networks, call and mobility control, services, features, planning, economic factors, and management of switching systems.

Communications Systems Integration & Modeling (CSIM)

Chair Burak Kantarci
 Vice Chair Nizar Zorba
 Secretary Angelos Antonopoulos
 Standards Liaison John Vardakas, Stefano Giordano
 Student Competition Program Luca Foschini

This committee is concerned with systems disciplines and modeling tools that facilitate the integration of information-transport equipment, subsystems, and networks into communications systems. The committee particularly addresses computer-aided modeling of integrated subsystems to answer architectural and performance questions.

Communication Theory (CTTC)

Chair Urbashi Mitra
 Vice Chair Maite Brandt-Pearce
 Secretary Meixia Tao
 Standards Liaison Amitava Ghosh

This committee sponsors conference sessions, workshops, and tutorials. It also promotes and reviews papers in the broad area of communication theory, with emphasis on applications to practical systems. The technical content of these sessions and papers focuses on the analytical and theoretical aspects of many diverse areas that include: modulation, coding, synchronization, equalization, signal processing and neural networks; transmission over all media; source and channel coding; spread spectrum and multiple access; data communications and communication networks.

Computer Communications (TCCC)

Chair James P.G. Sternbenz
 Vice Chair Jörg Ott
 Secretary Dan Massey
 Standards Liaison R. Venkatesha Prasad
 Student Competition Program Falko Dressler

This committee sponsors papers, discussions, and standards on all aspects of computer-communication systems. It provides a forum for members to broaden professional contacts and for technical discussions and interactions. Its areas of interest include: performance of computer network and switch architectures; interfaces and protocols; configuration control; scheduling and buffer management; routing, flow control and admission control algorithms; error control and network security, reliability, and management.

Data Storage (TCDS)

Chair Shayan Srinivasa Garani
 Vice Chair (Academia) Xinmiao Zhang
 Vice Chair (Industry) Hironori Uchikawa
 Secretary Jeongseok Ha
 Treasurer Qi Qi
 Standards Liaison Lara Dolecek
 Student Competition Program Suayb S. Arslan

This committee focuses on and promotes advances in areas, such as, coding for data storage, signal processing for data storage, information theory, and storage networks. Its interests are expanding to include emerging areas in storage area networks and network codes; software for data storage management; servo strategies and circuits for data storage, etc...

e-Health

- Chair Hsi-Pin Ma
- Vice Chair Honggang Wang
- Secretary / Student Competition Program Andrea Sciarone
- Standards Liaison Zaher Dawy

This committee focuses on exploring ICT solution gaps and business models that support emerging eHealth applications and services, as well as, exploring project collaboration opportunities addressing global health challenges with IEEE sister societies and governments around the globe. The focused technical areas include: eHealth network and system infrastructures (e.g., health grid, cloud computing, etc.); net-centric health and healthcare application developments; ICT-enabled personalized healthcare and management; ICT-enabled smart medical devices and systems. This committee provides a platform to ComSoc members, not only for technical information exchange, (e.g., conferences and workshops) but also for project-based collaborations with IEEE and non-IEEE organizations.

Green Communications & Computing

- Chair Yan Zhang
- Vice Chair - Asia/Pacific Peter Chong
- Vice Chair – Americas Feng Ye
- Vice Chair - Europe/Africa Shahid Mumtaz
- Vice Chair - Standards Activities RangaRao Venkatesha Prasad
- Secretary Kun Wang
- Standard Liaisons RangaRao Venkatesha Prasad
- Student Competition Program Kai Yang

The goal of TCGCC is to provide a platform for its members and the whole research, development, standardization, and service community. This service community includes energy and/or resource- efficient, and/or environment-sustainable communications, computing, and relevant systems. This is to interact and exchange technical ideas; to identify major research and development challenges; to collaborate and investigate solutions in the development of energy-sustainable, resource-saving, environmentally-friendly green communications, and computing technologies. The areas this committee addresses are quite inter-disciplinary due to the inherent features of the relevant green topics. This committee not only addresses green communications, computing, and relevant systems; but also, investigates using communications, computing, and relevant systems to achieve green objectives for the sustainable world.

Information Infrastructure & Networking (IIN)

Chair Rami Langar
Vice Chair Periklis Chatzimisios
Secretary Nadjib Aitsaadi
Student Competition Program Sidi Mohamed Senouci

Working in concert with other ComSoc Technical Committees, the objective of IIN is to facilitate the cohesive advancement of information infrastructures and supportive technologies. This is to enable global networking to guarantee distribution and accessibility of any kind of data in any format, to anywhere, at anytime, on any media, and with any access tool. Social responsibility, including green operations and the narrowing of the “digital divide,” are key precepts.

Internet (ITC)

Chair Dijiang Huang
Vice Chair Michele Nogueira
Secretary Paolo Bellavista
Standards Liaison Periklis Chatzimisios
Student Competition Program Michele Nogueira

This committee is a joint committee of the Internet Society and the Communications Society. Its goal is to stimulate interdisciplinary exchanges and applications of state-of-the-art communications, and related technologies to the internet infrastructure and services. The committee contributes to the emergence of a ubiquitous, multimedia, and high-performance internet that is serving large segments of the world’s population.

Molecular, Biological and Multi-Scale Communications

Chair Tadashi Nakano
Vice-Chair Yifan Chen
Secretary Mohammad Mahfuz
Conference Coordinator Mauro Femminella
Web Coordinator Yutaka Okaie
Advisory Board Stephan Bush, Andrew Eckford, Tatsuya Suda

This committee focuses on nanoscale communication in the range of nanometers to micrometers. Nanoscale communication may be based on biological materials and mechanisms (molecular communication); electromagnetic waves and principles (electromagnetic communication); quantum states and quantum physics (quantum communication). Nanoscale communication is a paradigm-shifting communication and networking technology that enables nano-to-micro meter scale devices to coordinate and perform a wide range of applications. These applications include: and/or from targeted drug delivery, in-body nanosensor wireless networks, and computing in a new paradigm.

Multimedia Communications (MMC)

Chair	Honggang Wang
Steering Committee Chair	Sanjeev Mehrotra
Vice Chair (America)	Pradeep K. Atrey
Vice Chair (Asia)	Wanqing Li
Vice Chair (Europe).....	Lingfen Sun
Vice Chair (Letters and Member Communications).....	Jun Wu
Secretary	Shaoren Wu
Standard Liaison	Guosen Yue
Student Competition Program	Wanqing Li

This committee examines systems, applications, services, and techniques, in which, two or more media are used in the same session. These media include (but are not restricted to) voice, video, image, music, data, and executable code. The scope includes conversational, presentational, transactional applications, and the underlying networking systems to support them.

Network Operations & Management (CNOM)

Chair	Filip de Turck
Vice Chair	Laurent Ciavaglia
Technical Program Chair	Carol Fung
Secretary	Carlos Raniery
Standards Liaison	Marcus Brunner
Student Competition Program	Abdelkader Lahmadi

This committee focuses on network and service operations and management. It encourages the exchange of information on the technical, operational, and business management aspects of public and private networks for voice, data, image, and video. It organizes and sponsors publications and symposia on these topics. Specific technical interests include: automation of network operations; customer network management and control; real-time management of networks; network-operations architecture; service and business management; end-to-end management across technologies and several jurisdictional boundaries.

Optical Networking (ONTC)

Chair	Xiaojun (Matt) Cao
Vice Chair	Luca Valcarenghi
Secretary	Zuqing Zhu
Student Liaison	TBD
Student Competition Program	Paolo Monti

This committee serves as ComSoc’s focal point in the area of optical networking technologies. ONTC plays an active role in stimulating/organizing leading-edge optical networking symposia, workshops, sessions, and tutorials serving OFC/NFOEC and other premier M&C venues. ONTC also serves as a proactive facilitator in the dissemination of evolving optical networking standards. This by working closely with standards forums, such as, OIF, IETF, and ITU/T1.

Power Line Communications (PLC)

Chair Gerd Bumiller
 Vice Chair Bamidele Adebisi
 Secretary José A. Cortés
 Standards Liaison Haniph Latchman
 Student Competition Program..... José A. Cortés

The committee sponsors conference sessions, special issues, workshops, tutorials, and promotes the dissemination of technical information in the broad area of communications over power lines. The primary goal is to serve as a focal point for all activities in the area of power line communications.

Radio Communications (RCC)

Chair Yuan Shen
 Vice Chair / Student Competition Program Jemin Lee
 Secretary Julian Cheng
 Standards Liaison George Chrisikos

The IEEE Communications Society’s Radio Communications Committee (RCC) is primarily interested in physical layer wireless communications. Its areas of interest include: engineering aspects of communication and localization systems, equipment; operations with involvement in standardization, spectrum, and regulatory efforts. Technologies that are considered span from point-to-point, point-to-multipoint, multipoint-to-multipoint, mobile radio access, and adaptive diversity systems. The RCC sponsors and promotes technical publications, conferences, symposia, workshops, tutorials, and other related activities on the aforementioned aspects. The committee also assumes the proactive duty to nominate suitable candidates for Communications Society and IEEE awards. Also, propose distinguished lecturer candidates and endorse deserving candidates for the election to IEEE Senior Member and Fellow grade.

Satellite & Space Communications (SSC)

Chair Tomaso de Cola
 Vice Chair Song Guo
 Secretary Mianxiong Dong
 Standards Liaison Henry Suthon
 Student Competition Program Daniele Tarchi

This committee facilitates technical interchange in the field of satellite and space communications. It explores the evolution of new satellite and space-based systems and the application of new and emerging technologies. This, at all layers of the network protocol suite. The Committee maintains a keen interest in the development and maintenance of standards in this area.

Signal Processing & Communications Electronics (SPCE)

Chair Xianbin Wang
 Vice Chair Jingxian Wu
 Secretary Ana Garcia Armada
 Standards Liaison George Alexandropoulos
 Student Competition Program Sinem Coleri Ergen

This committee sponsors papers, participates in the organization of conferences, and promotes technical workshops. These workshops include those aspects of communications that pertain to the innovation, development, and application of algorithms, electronic and photonic devices or subsystems.

All for generation, processing, storage, transmission, recovery, and presentation of signals for communications. The committee also has, as a goal, the professional development of committee members and other practitioners that work in the above areas.

Smart Grid Communications

Chair Angela Yingjun Zhang
 Vice Chair Hamed Mohsenian-Rad
 Vice Chair Hans-Peter Schwefel
 Secretary Christian Wietfeld
 Student Competition Program Fang Yang

The goal is to provide technical support to the IEEE Smart Grid Initiative and secure ComSoc's position in the development and promotion of Smart Grid related technologies; particularly, in Smart Grid Communications. The activities include: conferences and journal publications; standardization and policies; industry outreach programs; academic curriculum development; realization of an IEEE ComSoc Smart Grid portal.

Social Networks

Chair Neeli Prasad
 Vice Chair/ Student Competition Program..... Damla Turgut
 Secretary Denian Yang
 Student Competition Program Damala Turgut

The Social Networks committee promotes interdisciplinary research among social science, information theory, and computer science. The main scope of the subcommittee is to encourage study and research activities that answer the very fundamental questions in human and telecommunication networks.

Tactile Internet

Chair Meryem Simsek
 Vice Chair Falko Dressler
 Secretary Oliver Holland
 Student Competition Program Meryem Simsek

The Tactile Internet will focus on exploring and elucidating all facets of the next generation of “Tactile Internet” technology and business-societal gaps/challenges. The objectives of the TI are to facilitate the worldwide harmonization of research; pre-standardization and best practices for the deployment of user scenarios in the global TI ecosystem; to design the built-in security and privacy; to explore ways the tactile technology can be realized in different segments, such as, in engineering, automobile, transport and logistics, health service, and the public. The TI committee will target the understanding of the tactile requirements; the specification and identification of tactile use cases; defining system specifications to meet these requirements; developing breakthrough technology to the identified challenges of the tactile internet; enabling of Internet protocols over the next generation of empowered devices in order to reach convergence (end-to-end transparency through IPv6).

Transmission, Access & Optical Systems (TAOS)

Chair Fabrizio Granelli
 Vice Chair Steve Hranilovic
 Secretary Walter Cerroni
 Standards Liaison Frank J. Effenberger
 Student Competition Program Fabrizio Granelli

This committee sponsors and organizes papers, conference sessions, workshops, and standards development. This relating to both optical and metallic guided media transmission and access systems for the transport of speech, data, and visual information of any bandwidth. Specific areas of interest include: photonic systems and networks; testing and performance of analog and digitally transmitted signals; systems and equipment for subscriber access over fiber, coaxial cable, and twisted copper pairs; analog and digital subscriber lines over wires and interfaces to wireless media; inductive coordination and electrical protection of wired media; network synchronization and development of IEEE-oriented standards.

Wireless Communications (TCWC)

Chair Wei Zhang
Vice Chair..... Bechir Hamdaoui
Secretary Yue Gao
Standards Liaison Kome Oteri
Student Competition Chuan Huang

The mission of this committee is to sponsor publications, conferences, technical sessions, workshops, and other information exchanges. This within the scope of architectures, applications, systems, terminals and technologies to provide wireless, mobile, location-independent communication and computing in voice, data, and visual media. Its areas of interest include: techniques for achieving portability; ubiquity, and transparency using mobile and wireless cellular networks; ranging from physical layer, MAC layer, network layer to application layer.

CONFERENCES



Stefano Bregni
Vice President

Vice President Stefano Bregni
Staff Aileen Norton

CONFERENCES COUNCIL

Chair Stefano Bregni
Vice Chair Hikmet Sari

Members

Director - Conference Development Joel Rodrigues
Director - Conference Operations Hikmet Sari
Chair - GLOBECOM/ICC Management & Strategy Koichi Asatani
Chair - GLOBECOM/ICC Technical Content Matthew Valenti

Conference Development Board

Chair Joel Rodrigues

Members at Large

Ali Ghrayeb, Qatar (WCNC)
Tom Hou, USA (INFOCOM)
Doug Zuckerman, USA (OFC)
Qingqing Zhang, USA (MILCOM)
Luis Correia, Portugal (PIMRC)
Zhisheng Niu, China
Carlos Lozano, Colombia
Harry Charalampos Skianis, TEC-C Representative

Conference Operations Board

Chair Hikmet Sari

Members at Large

Ali Ghrayeb, Qatar (WCNC)
Tom Hou, USA (INFOCOM)
Doug Zuckerman, USA (OFC)
Qingqing Zhang, USA (MILCOM)
Luis Correia, Portugal (PIMRC)
Zhisheng Niu, China
Carlos Lozano, Colombia
Member Ex-Officio - Fambirai Takawira, ComSoc Treasurer

The Conference Development and Conference Operations Boards hold their meetings concurrently at ICC and GLOBECOM.

Standing Committees (Reporting to VP Conferences)

GLOBECOM/ICC Management & Strategy (GIMS) Koichi Asatani
GLOBECOM/ICC Technical Content (GITC) Matthew Valenti

COMSOC PORTFOLIO EVENTS

RECENT & UPCOMING CONFERENCES

Embracing cutting-edge technologies at IEEE Communications Society sponsored global events: Every year, thousands of participants come to discover new ideas; explore innovative solutions and network with the leaders who are changing the world of communications.

ATC

International Conference on Advanced Technologies for Communications

ATC covers a comprehensive range of communication and electronics technologies contributing toward a “Flat World” of communications. It gives a focus on intelligence and security issues for advanced communication systems and services, as well as, emerging technologies and applications.

ATC 2019 – Hanoi, Vietnam

atc-conf.org

General Chairs: Nguyen Huu Thanh, Mathias Paetzold,
..... Nguyen Canh Minh
Technical Program Chairs: Tran Duc Tan, Dao Thanh Toan, Paul Fortier,
..... Nguyen Thanh Hai, Pham Viet Ha
Steering Committee Chairs Nguyen Duy Viet, Doan Quang Hoan,
..... Yeong Min Jang

IEEE ANTS

Advanced Networks & Telecommunication Systems

ANTS fosters strong relationship in the telecom field across diverse stakeholders from: industry to academics to government; researchers to practitioners to business professionals; system vendors to equipment manufacturers, to telecom network operators.

IEEE ANTS 2018 – Indore, India

ants2018.ieee-comsoc-ants.org

General Co-Chairs: Vimal Bhatia, Koushik Sinha
Technical Program Chairs: Prabhat K Upadhyay, Neminath Hubballi
..... Daniel Benevides da Costa
Steering Committee Chair: Sudhir Dixit

IEEE CAMAD

International Workshop on Computer-Aided Modeling, Analysis and Design of Communication Links and Networks

The IEEE International Workshop on Computer-Aided Modeling, Analysis and Design of Communication Links and Networks (CAMAD) represents a unique forum for discussion of recent developments in: analytical and simulation tools; techniques for the performance evaluation of communications systems; bringing together top-level engineers and researchers from around the globe.

IEEE CAMAD 2019 – Limassol, Cyprus

www.ieee-camad.org

General Chairs: Constantinos X. Mavromoustakis, Fabrizio Granelli
Technical Program Chairs: George Mastorkis, Periklis Chatzimisios,
..... Houbing Song, Claudio Fiandorino, Ciprian Dobre
Steering Committee Chair: Fabrizio Granelli, Christos Verikoukis
..... Stefano Giordano, Michael Devetsikiotis

IEEE CCNC

Consumer Communications & Networking Conference

CCNC represents a singular opportunity for consumer electronic manufacturers to join with communications and networking manufacturers and service providers. It represents the latest approaches and technical solutions in the area of home networking and consumer networking.

IEEE CCNC 2020 – Las Vegas, NV, USA

cnc2020.ieee-ccnc.org

General Chair: Ben Lee
Technical Program Chairs: Claudio Casetti, Kaushik Roy Chowdhury
Steering Committee Chair: Alex Gelman

IEEE CCW

Workshop on Computer Communications

The Annual Workshop on Computer Communications is the annual flagship meeting of the Technical Committee on Computer Communications. It provides a small and intimate setting with a relaxed ambiance. This is where participants can concentrate on technical interchange with their colleagues and enjoy unique social events and experiences.

IEEE CCWC 2019 – Las Vegas, NV, USA

www.2019.ieee-ccwc.org/

Founding Chair: Dr. Satyahit Chakrabarti

General Co-Chairs: Evangelos Yfantis, Son Vuong, Satyajit Chakrabarti

Steering Committee: Charles Rubenstein

IEEE CQR

International Communications Quality & Reliability Workshop

The annual IEEE CQR International Workshop is held with the purpose of bringing together industry and academic experts to present and discuss communications quality, reliability, and security issues as they relate to real world issues.

IEEE CQR 2020 – Skamania, WA, USA

cqr2020.ieee-cqr.org

General Chairs: TBD

Technical Program Chair: TBD

IEEE CTW

Communications Theory Workshop

The workshop is held every Spring and features invited talks on the latest research in communication theory from the world's leading researchers.

IEEE CTW 2019 – Selfross, Iceland

www.ctw2019.ieee-ctw.org/

General Chair: Petar Popovski

Technical Program Chairs: Erik G. Larsson, Urbashi Mitra

IEEE DySPAN

Symposium on New Frontiers in Dynamic Spectrum Access Networks

Bringing technologists together with the spectrum policy community charged with re-architecting the legal regime for managing spectrum in the 21st century to accommodate new technologies.

IEEE DySPAN 2019 – USA

www.ieee-dyspan.org

General Chairs: Yingying Chen, Wade Trappe
Technical Program Technology Chairs: Yunhao Liu,
..... K.P. (Suba) Subbalakshmi, Yu-Dong Yao
Steering Committee Chairs: Jerry Park, Giulia McHenry

IEEE EDOC

Enterprise Distributed Object Computing Conference

EDOC addresses the full range of engineering technologies and methods contributing to enterprise distributed application systems.

IEEE EDOC 2019- Paris, France

www.edoc2019.sciencesconf.org

General Chair: Selmin Nurcan
Steering Committee Chair: Georg Grossmann

IEEE GLOBECOM

Global Communications Conference

GLOBECOM is one of the Communications Society’s flagship conferences. Like ICC, it covers all topics in communications and networking. In addition to the technical sessions where the latest research results are presented, the program includes workshops, tutorials, industry panels/forums, and an exhibition. The program has been developed to fulfill the needs of both academia and industry.

IEEE GLOBECOM 2019 – Waikoloa, HI, USA

globecom2019.ieee-globecom.org

General Chair: Doug Zuckerman
Technical Program Chairs: Hsiao-Hwa Chen, Hamid Gharavi
GIMS/GITC Steering Committee Chairs: Erdal Panayirci, Matt Valenti

IEEE ICC

International Conference on Communications

Featuring the latest developments in telecommunications from a technical perspective. Subjects include Communications Theory, Wireless Communications, Wireless Networking, Optical Networking, Next Generation Networks, etc...

IEEE ICC 2019 – Shanghai, China

icc2019.ieee-icc.org

General Chair: Xiaohu You
Technical Program Chairs: Jiangzhou Wang
GIMS Advisor/ GITC Advisor Hafizal Mohamad, Zhensheng Zhang

IEEE IM

IFIP/IEEE International Symposium on Integrated Network Management

IM is one of the world's premier conferences on network management. It meets in odd-numbered years, typically during May.

IM 2019 – Washington, DC, USA

im2019.ieee-im.org

General Co-Chairs: Joe Betsler, Carol Fung
Technical Program Co-Chairs: Alex Clemm, Jerome Francois, Shingo Ata

IEEE INFOCOM

International Conference on Computer Communications

Addressing key issues related to recent advances in computer communications and networking. Bringing researchers and practitioners together to present the most up-to-date achievements.

IEEE INFOCOM 2019 – Paris, France

infocom2019.ieee-infocom.org

General Chair: Marcelo Dias de Amorim, Serge Fdida
Technical Program Chairs: Wenjing Lou, Giovanni Pau, Tilman Wolf
Steering Committee Chair: Tom Hou

IEEE ISCC

International Symposium on Computers and Communications

The IEEE symposium on Computers and Communications began in 1995 in response to the growing interaction between the fields of computers and communications.

IEEE ISCC 2019 – Barcelona, Spain

www.paradise.site.uottawa.ca/iscc2019/

General Co-Chairs: Sartaj Sahni, Monica Aguilar
Technical Program Co-Chairs: Azzedine Boukerche, Michela Meo
Steering Committee Chair: Reda Ammar

IEEE ISPLC

International Symposium on Power Line Communications and its Applications

One of the main features of ISPLC is strong industry participation; it brings together researchers, practitioners and users of PLC technology. The conference will further include a series of keynote and expert panel talks, as well as an Industry Exhibit centred on PLC for Smart Grids. Acceptance of submissions will be based on quality, relevance, and originality; with awards for the best submissions.

IEEE ISPLC 2019 – Prague, Czech Republic

isplc2019.ieee-isplc.org

General Chair: Jaromír Hrad
Technical Program Chairs: Khaled M. Rabie, José Antonio Cortés Arrabal,
..... Andrea M. Tonello, Dušan Maga

IEEE IWQoS

Workshop on Quality of Service

IWQoS has served as the prime annual workshop on Quality of Service; providing an international forum for the presentation and discussion of cutting edge research in the field. The scope of the workshop covers the main and currently important aspects of QoS research. This including related issues, such as, availability, reliability, security, pricing, resource management, and performance guarantees.

IEEE IWQoS 2019 – Phoenix, AZ, USA

iwqos2019.ieee-iwqos.org

General Chair: Guolian Xue, Tushar Gohad
Technical Program Co-Chairs: Tian He, Jian Tang
Steering Committee Chairs: Ke Xu, Jiangchuan Liu, Jun Xu
..... Jun Li, Xiaorui Wang, Xin Wang

IEEE LAN/MAN

Workshop on Local & Metropolitan Area Networks

The IEEE LAN/MAN Workshop is as a leading forum for discussing the latest technical advances within networking in the local and metropolitan areas.

IEEE LAN/MAN 2019 – Paris, France

lanman2019.ieee-lanman.org

General Chairs: Luca Muscariello, Florin Ciucu
Technical Program Chairs: Biplab Sikdar, Tilman Wolf

NOMS

IEEE/IFIP Network Operations & Management Symposium

Held in even-numbered years since 1988, NOMS continues to be the primary forum for technical exchange of research, standards, development, systems integrator, service providers, and user communities, presenting the latest approaches and technical solutions in the area of network operations and management.

NOMS 2020 – Budapest, Hungary

www.ieee-noms.org

General Chairs: Pal Varga, Doug Zuckerman
Technical Program Chairs: Imen Grida Ben Yahia, Alex Galis, Istvan Godor

IEEE PIMRC

IEEE International Symposium on Personal Indoor & Mobile Radio Communications

PIMRC has attracted major figures in the cellular, PCS, wireless LAN, and mobile data industries. Conference topics are presented in keynotes, tutorials, technical, and panel sessions.

IEEE PIMRC 2019– Istanbul, Turkey

www.ieee-pimrc.org

General Chairs: Hikmet Sari, Erdal Panayirci
Technical Chair: Tolga Duman, Murat Uysal
Steering Committee: Hamid Aghvami

IEEE SECON

Sensor, Mesh and Ad Hoc Communications and Networks

IEEE SECON provides a forum to exchange ideas, techniques, and applications. Also to discuss best practices, raise awareness, and share experiences among researchers, practitioners; standards developers and policymakers working in sensor, ad hoc, mesh networks and systems.

IEEE SECON 2019 – Boston, MA USA

www.ieee-secon.org

General Chair: Stefano Basagni, Tommaso Melodia
Technical Program Chairs: Giuseppe Bianchi, Kaushik R. Chowdhury,
..... Joep Jornet
Steering Committee Chair: Chiara Petrioli

IEEE WCNC

Wireless Communications & Networking Conference

WCNC, one of the world's foremost international technical conferences for engineers and researchers in wireless technologies. The conference offers the best and most current tutorials, research results, industry-oriented technical content and perspectives on wireless communications, networks, and systems.

IEEE WCNC 2019 – Marrakech, Morocco

www.ieee-wcnc.org

General Chair: Tarik Taleb
Technical Program Chairs: Murel Médard, Nelson Fonseca,
..... Ross Murch

MILCOM

IEEE/AFCEA Military Communications Conference

MILCOM offers a full program of technical sessions, tutorials, keynote speakers, and panel discussions focusing on information relevant to communication and information systems capabilities that address the 21st Century challenges of National Defense and Homeland Security.

MILCOM 2019 – Norfolk, VA

www.milcom.org

Technical Program Chair..... John Shea

OFC

Optical Fiber Communication Conference & Exposition

The OFC audience spans the entire industry, from scientists and engineers to manufacturers and service providers. It provides the industry's most comprehensive view of optical technology — the latest research breakthroughs and innovations.

OFC 2019 – San Diego, CA, USA

www.ofcconference.org

General Chairs: Robert Doverspike, Dan Kutcha, William Shieh
Steering Committee: Seb Savory

IEEE SmartGridcomm

IEEE International Conference on Smart Grid Communications

The IEEE International Conference on Smart Grid Communications (SmartGridComm) focuses on all communications aspects related to the Smart Grid initiative. An initiative that has the goal of achieving the modernization and optimization of the power grid, so that it is more reliable, efficient, secure, and environmentally neutral. The conference will help bring together researchers from academia, industry, and government to: exchange novel ideas; explore enabling technologies; discuss innovative designs and share trial experiences.

IEEE SmartGridcomm 2018 – Beijing, China

www.ieee-smartgridcomm.org

General Chairs: Jian Song, Kaushik Rajashekara, Dedong Sun

Technical Program Chairs: Zhu Han, Amin Khodaei, Fang Yang

..... Ferdinanda Ponci

IEEE HPSR

International Conference on High Performance Switching and Routing

HPSR is focused on the technology of high-speed/high-capacity switches and routers. This including, architectural and algorithmic aspects of high-speed IP networks; possibly adopting optical technologies and wireless user access.

IEEE HPSR 2019 – Xi'an, China

www.ieee-hpsr.org

General Co-Chair: Achille Pattavina, Jiandong Li

Technical Program Chairs: Xiaohong Jiang, Martin Maier, Guido Maier

..... Yulong Shen

IEEE ICME

International Conference on Multimedia and Expo

IEEE International Conference on Multimedia & Expo serves as a forum for the dissemination of state-of-the-art research, development, and implementations of multimedia systems, technologies, and applications.

IEEE ICME 2019 – Shanghai, China

www.icme2019.org

General Chairs: Feng Wu, Lina Karam, Tao Mei

IEEE VNC

IEEE Vehicular Networking Conference

IEEE Vehicular Networking Conference brings together researchers, professionals, and practitioners. This to present and discuss recent developments and challenges in vehicular networking (e.g., vehicle-to-vehicle and vehicle-to-infrastructure communications) technologies and their applications (e.g., driving safety, traffic congestion reduction, mobile infotainment).

IEEE VNC 2019 – Los Angeles, CA USA

www.ieee-vnc.org

General Chairs: Hsin-Mu (Michael) Tsai, Onur Altintas
Technical Program Chairs: Kate Lin, Mate Boban
Steering Committee Chair: Onur Altintas

IEEE HEALTHCOM

IEEE International Conference on E-Health Networking
Applications & Services

Healthcom brings together interested parties from around the world working in the health care field to exchange ideas; to discuss innovative and emerging solutions, and to develop collaborations. Participants include clinicians, hospital administrators, IT professionals, researchers, educators, healthcare solutions vendors, and consultants.

IEEE Healthcom 2019 – Bogotá, Colombia

www.ieee-healthcom.org

General Chairs: Carlos Lozano-Garzon, Joel Rodrigues
Technical Program Chair: His-Pin Ma, Andrés Navarro, Conchi García-Pardo
Steering Committee Chair: Joel J.P.C. Rodrigues,
.... Pradeep Ray, Norbert Noury, Augusto Venâncio Neto, Christoph Thuemmler,
..... His-Pin Ma

IEEE ICC

IEEE Conference on Communications in China

Aiming at realistic globalization by extending ComSoc reach to fast-growing regions. By collaborating with local sister societies and leading research institutes, the conference will be held every year in greater China region and feature major technical symposia, industry forums, invited sessions, tutorials, panels, and workshops.

IEEE ICC 2019 – Changchun, China

iccc2019.ieee-iccc.org

General Chairs: Ying-Chang Liang, Xiaohui Zhao, Yanchuan Zhang
Technical Program Co-Chair: Wei Zhang, Romano Fantacci, Lingyang Song,
..... Tong Song
Steering Committee Chair: Xuemin (Sherman) Shen

IEEE LATINCOM

IEEE Latin-American Conference on Communications

LATINCOM is an international conference organized by the ComSoc Latin America Region. It is held annually and attracts submissions and participants from all around the world. It covers the scope of all ComSoc Technical Committees and has a broad technical program that includes renowned keynote speakers, and comprehensive tutorials presenting the state of the art in communications. Its prime target is to provide a platform for researchers and practitioners in Latin America for sharing of R&D results; to meet and to network. The Communications Society offers to reach out to its members in Latin America and propose a venue that meets the specific needs of their region.

LatinCom 2019 – Salvador, Brazil

latincom2019.ieee-latincom.org

General Chair: Gustavo Bittencourt Figueredo
Technical Program Co-Chairs: Leandro A. Villas, Michael Rice

IEEE International Conference on Cloud Networking

Cloud computing has emerged as a promising direction for cost-efficient and reliable service delivery across data communication networks. The dynamic location of service facilities and the virtualization of hardware and software elements are stressing the communication network and protocols. This especially, when datacenters are interconnected through the Internet. Although the "computing" aspects of Cloud technologies have been largely investigated, lower attention has been devoted to the "networking" and communications aspects. The IEEE International Conference on Cloud Networking (IEEE CloudNet) precisely addresses these aspects.

IEEE CloudNet 2019 – Coimbra, Portugal

www.ieee-cloudnet.org

General Chair: Paula Simões, Lisandro Zambenedetti Granville
Technical Program Chairs: Marilia Curado, Mohamed Faten Zhani
Steering Committee Chair: Raouf Boutaba

IEEE Communications & Network Security

Dedicated to Communications and Network Security, IEEE CNS will focus on the communications-oriented aspects of security and serves as a premier forum for mobile, wireless, and communications cyber security researchers, practitioners, policy makers, and users. This to exchange ideas, techniques, tools, raise awareness, and share experience related to security and privacy. Topics of interest encompass all practical and theoretical aspects of communications and network security, from the physical layer to the various network layers to the variety of applications reliant on a secure communication substrate.

IEEE CNS 2019 – Washington, DC, USA

www.ieee-cns.org

General Chair: Charles Clancy
Technical Program Chairs: Jerry Park, Amir Herzberg
Steering Committee Chair: Wenjing Lou

IEEE WF-IOT

World Forum of Internet of Things

The WF-IOT seeks to investigate how progress in technologies and applications of Internet of Things can be nurtured and cultivated for the benefit of society

IEEE WF-IOT 2019 – Limerick, Ireland

<http://wfiot2019.iot.ieee.org/>

General Chairs: Adam Drobot, Elfed Lewis, Heiner Stuetzgen
Technical Program Chairs: Soumya Kanti Datta, Schahram Dustdar,
..... Elfed Lewis

IEEE BlackSeaComm

International Black Sea Conference on Communications and Networking

The IEEE BlackSeaCom series of conferences is held in the countries surrounding the Black Sea. The goal of the IEEE BlackSeaCom is to bring together visionaries in academia, research labs, and industry from all over the world to the shores of the Black Sea. This to interact with their colleagues from around the region. Participants address many of the outstanding grand challenges that exist in the areas of communications and networking, while being able to have the opportunity to explore this exciting and dynamic region that has a rich history.

IEEE BlackSeaCom 2019 – Sochi, Russia

www.ieee-blackseacom.org

General Co-Chairs: Alexander Gelman, Andrey Lyakhov

Technical Program Co-Chairs: Evgeny Khorov, Noura Limam, Claudio Sacchi

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EIC, *IEEE Communications Letters* Octavia Dobre
EIC, *IEEE Wireless Communications Letters* Wei Zhang
EIC, *IEEE Transactions on Network & Service Management (TNSM)*
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..... Ender Ayanoglu
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IEEE/ACM Transactions on Networking Anja Feldman (Chair),
..... Eytan Modino, EIC
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IEEE Transactions on Molecular, Biological and Multiscale Communications
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Related Societies

Armed Forces Communications and Electronics Association (AFCEA)

Association of Computing Machines (ACM)

Association of Engineers and Architects in Israel & Society of

Electrical & Electronics Engineers (AEAI)

EastWest Institute (EWI)

IEEE Societies (CS, SPS, CAS, LEOS, PES, MTT)

International Telecommunications Union (ITU)

Sister Societies

BELGIUM Federation of Telecommunications Engineers of the European
..... Union Forum for European ICT Professionals (FITCE)

BRAZIL Sociedade Brasileira de Telecomunicações (SBRT)

CHINA China Institute of Communications (CIC)

CROATIA Communications & Information Society (CCIS)

CZECH REP/SLOVAKIA..... Czech & Slovak Radioengineering Society (RS)

FINLAND Open Innovations Community (FRUCT)

FRANCE Société de l'Electricité, de l'Electronique et des Technologies de
..... l'information et de la Communication (SEE)

GERMANY... Informationstechnische Gesellschaft – Verband der Elektrotechnik
 Elektronik Informationstechnik (ITG-VDE)
 HUNGARY The Scientific Association for Infocommunications (HTE)
 INDIA The Institution of Electronics & Telecommunications Engineers (IETE)
 INDIA Communications Multimedia Applications Infrastructure
 Association of India (CMAI)
 ISRAEL The Association of Engineers and Architects in Israel,
 Society of Electrical & Electronics Engineers (AEAI)
 ITALY Associazione Italiana per L’Informatica ed il Calcolo Automatico (AICA)
 ITALY AEIT Society for Information and Communications Technology (AICT)
 JAPAN The Institute of Electronics, Information & Communication
 Engineers (IEICE-CS)
 LATVIA Latvijas Informācijas Un Komunikācijas Tehnoloģijas
 Asociācija (LIKTA)
 MALTA Chamber of Engineers (CoE)
 RUSSIA The Russian Popov Society Institute of Radio Engineering and
 Electronics Russian Academy of Sciences (A.S. Popov Society)
 SINGAPORE Singapore Computer Society (SCS)
 SLOVENIA The Electrotechnical Association of Slovenia (EZS)
 SOUTH AFRICA South African Institute of Electrical Engineers (SAIEE)
 SOUTH KOREA The Korean Institute of Communications & Information
 Sciences (KICS)
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 VIETNAM The Radio & Electronics Association of Vietnam (REV)

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2017-2019

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Jiannong Cao
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Brian D. Woerner
Jitendra Tugnait
(18-19)

2018-2020

Hamid Jafarkhani
Neelesh B. Mehta
Aria Nosratinia
Zhi Tian
Wen Tong (19-20)

2019-2021

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(Aligns under VPMR)

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Voting Members

2019- 2020

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2017-2019

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Thyaga Nandagopal

2018-2020

Vincenzo Sciancalepore
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2019-2020

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2017-2019

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2018-2020

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Sumei Sun (MAL, 2018-20)
Hafizal Mohamad (Past OC Member, 2018-20)
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Fabrizio Granelli, representing Technical & Educational Activities

Zhisheng Niu, representing Publications

Stefano Galli, representing Industry & Standards Activities

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IEEE-USA Energy Policy Committee	Stefano Galli	2018-19

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RFID Council	Paul Hartmann	2018-19
Council on Superconductivity	Elie K Track, John W Spargo	2018-19
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Conferences Committee	Alex Gelman	2018-19
Fellows Committee	Stefano Galli	2019
Future Directions Committee	Roberto Saracco (Ch)	2013-18
	Doug Zuckerman	2015-18
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Medal of Honor Committee	Roberto de Marca	2019
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Nominations & Appointments	Celia Desmond	2018-19

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Awards Board	Mark Karol	2018-19
Industry Engagement Committee	Robert Fish	2019
IEEE Council on RFID	Paul Hartmann	2018-19
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Volunteer Opportunities at TAB: TBD

TAB Nominations & Appointments Process & Forms:

http://www.ieee.org/about/corporate/nominations/nominations_guidelines.html

IEEE Major Boards & Standing Committees:

<https://www.ieee.org/about/volunteers/rosters.html>

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DISTINGUISHED LECTURER / SPEAKER PROGRAM

**Approved 9/6/95, updates 2001, 03, 08, 09, 10, 11, 12, 13, 15*

Provided as a service to our local Travel Grants, Distinguished Lecture Tours and individual Distinguished Speakers. It can be arranged in response to a request from one or more Chapter Chairs. They may also be initiated by Regional Directors, the Director – Member Services, or the VP – MGA. Although tours and individual lectures are organized to benefit existing members and Chapters, they can also be effective in generating membership and encouraging new chapter formation.

Lecture tours will be supported as the budget allows in each of our four Regions: Asia/Pacific, Europe/Middle-East/Africa, Latin America, and North America. The Director in each region plays a key role as facilitator. No more than two tours will be allowed per year to each Distinguished Lecturer. Funding shall be in accordance with the following guidelines.

DISTINGUISHED LECTURER TOUR PROGRAM

Procedures

- Funding (up to approximately US\$3,000) for DISTINGUISHED LECTURE TOURS (DLT) shall be provided to enable a lecturer to address multiple groups during a lecture tour. Normally, no more than US\$1,000 shall be approved for chapters when they organize a DLT and choose a lecturer from the same ComSoc region. However, ComSoc will approve an additional allocation (minimal) on a case-by-case basis.

For those chapters that organize DLTs and select lecturers from “other” ComSoc regions (requiring international travel), ComSoc shall approve up to approximately \$3,000 per tour. No more than two or three tours of this type shall be approved per Region (For example, NA region may invite 2-3 DLs from other regions. LA region may invite 2-3 DLs from other regions, etc). ComSoc shall be flexible for this type of (international) DLT to enhance our globalization efforts. DLTs organized using “In-Region” lecturers should continue to be supported as budget allows.

- DLT Tours involve a series of lectures – addressing at least three groups in three separate locations within reasonable geographical proximity to each other.
- “Grassroots” organizers may be Chapters, Sections, local conference organizers, or even a group of members in an area where no ComSoc chapter exists. Organizers work directly with their Regional Director, who facilitates arrangements and recommends the tour to the Director – Member Services. Tour recommendations should take place at least two months before the tour begins and must include the following:

Chapters involved in the tour
Chapter Chairs and e-mail addresses
If a university is involved, name of school, contact, and e-mail
Name and e-mail address of Lecturer
Dates of each lecture
Location of each lecture
Estimated cost of lecturer's air fare

For chapters desiring to host an individual lecture, the chairs can work directly with their Regional Director and DLT Coordinator. Regional Directors and DLT coordinators should be proactive in engaging the more passive or inactive chapters in DLT activities to help the chapters attract more members.

- The decision to approve a DLT request is the responsibility of the Director - Member Services, with his/her final approval being announced two months prior to the tour.

All arrangements must be made in advance with local sponsoring groups. The two-month "lead time" is recommended to allow time to obtain visas, if necessary, time to advertise, etc.

- Please note that as part of the overall program, all lecturers must be willing to write a brief report to post for the DL Site. They may also be asked to record their lecture after the tour for the Online Distinguished Lecturers Program. (Someone from the IT Staff would contact the Lecturer about recording the lecture as a Webinar)
- Funding for a tour is provided to cover a lecturer's travel expenses. Living expenses, such as lodging, meals, transportation to and from the airport, are generally the responsibility of the local Chapter. Travel, lodging, and meals must be booked at an economic rate acceptable for reasonable business travel. (Funding may include night before/after each lecture, as required by the schedule, to accommodate needs of local organizers)
- After recording the lecture for the Online Distinguished Lecturers Program, expenses are submitted to ComSoc Headquarters in NYC (Carol Cronin) on an IEEE Expense form and approved by the Director - Membership Programs Development. Receipts must be provided (in accordance with IEEE and Communications Society rules). The lecturer must not profit financially from the lecture tour. The expense form is found at the Distinguished Lecturer web site:
www.comsoc.org/about/memberprograms/distinguished-lecturers.

*DLT Funding allocation under review

DISTINGUISHED SPEAKER PROGRAM

Procedures

This program involves a Distinguished Speaker already visiting the region and a single day event (lecture/seminar, etc.) organized by a chapter for the members of the chapter.

- A Distinguished Speaker (DS) can be a current or former Distinguished Lecturer, IEEE Fellow, or a well-known person from industry and/or academia who is not a current or former DL. All Distinguished Speakers (DS) must be approved by the Director – Member Services, before the event.
- A Distinguished Speaker Program (DSP) event is supported by up to a maximum amount of US\$500.00, which includes the following local expenses only: Lodging, meals, transportation, publicity, A/V, copying, (etc.,). All local expense from a DSP shall occur in the same city of the event. Exception (such as a train ticket from another city to the event city) shall be approved by the Director – Member Services.
- Before the event, the local Chapter identifies a DS (or the DS contacts a local chapter). Then, the local chapter contacts the Regional DLT/DSP Coordinator. Together with the local chapter, works out the details of the talk and expenses. The Regional Director should be in the loop as well. The DLT/DSP coordinator contacts Director – Member Services, for final approval.
- After the event, the DS shall submit a written event report to ComSoc, which shall be posted on the ComSoc web site. The DS will then send his/her expense report to ComSoc for reimbursement; all local expense reimbursements shall be submitted by the DS' local chapter. Finally, after the event, the local chapter shall evaluate the speaker and provide feedback to the DLT/DSP coordinator and the Director - Member Services.

DISTINGUISHED LECTURERS

Appointments are 2 years (with an option of 2 additional years)

**Term effective through 31 December 2019*

***Term effective through 31 December 2020*

Nirwan Ansari **

nirwan.ansari@njit.edu

USA (NJ)

- Green communications and networking
- Edge/Fog computing
- Drone-assisted networking
- Various aspects of broadband networks

Ali C. Begen *

acbegen@ieee.org

Turkey

- Multimedia Communications
- Networked Entertainment
- IPTV Technologies and Content Delivery
- Over-the-Top Video and Streaming

Danijela Cabric *

danijela@ee.ucla.edu

USA

- Physical Layer MIMO Millimeter-wave Communications
- Ultra-Dense Millimeter-wave Cellular Networks: Beam Discovery, Association, and Handover
- Machine Learning for Cognitive Radios
- Advances in Spectrum Sensing and Signal Classification
- Massive MIMO and Interference Management in Spectrum Sharing networks
- Energy-efficient Massive IoT Communications over Shared Spectrum

Wen Chen **

wenchen@sjtu.edu.cn

China

- Random massive access
- Coded cooperation
- Green heterogeneous networks
- Vehicular communications

Davide Dardari *

ddardari@ieee.org

Italy

- Indoor localization and tracking: from theoretical foundations to practical applications
- Backscatter-based communication and localization: the future of battery-less radio identification and positioning in IoT networks
- Massive antenna arrays at mmWave: opportunities in localization and mapping
- Joint localization and navigation in UAV networks
- Crowd-based estimation in wireless sensor networks

Marco Di Renzo **

marco.direnzo@l2s.centralesupelec.fr

France

- Spatial modulation for MIMO wireless systems
- System-level analysis and optimization: The magic of stochastic geometry
- Ultra-dense heterogeneous cellular networks
- Wireless powered communications and energy harvesting: Towards energy-neutral networks

Sudhir Dixit *

sudhir.dixit@ieee.org
USA (CA)

- Technologies for 5G
- SDN, OpenFlow and Virtualization
- Cloud and Crowd Computing (Human Augmented Cloud Computing)
- Network Protocols and Next Generation Networks
- Multi-sensory Human Bond Communication
- Internet of Things and Machine-to-Machine Communication

Octavia Dobre **

odobre@mun.ca
Canada

- Technologies for 5G and beyond wireless networks
- Non-orthogonal multiple access for massive machine-type communications
- Automatic signal identification: Classical approaches and new trends
- Signal processing for coherent optical communications

Ashutosh Dutta **

ashutosh.dutta@ieee.org
USA (NJ)

- Security for SDN/NFV and Virtualized Networks
- 5G Security
- Cloud Security
- Mobility Protocols and Handover Optimization
- Next Generation Mobility Networks

Tarek El-Bawab *

telbawab@ieee.org
Mississippi, USA

- Telecommunication Engineering Education (TEE)
- Broadband Access
- Telecommunication Standards

Mohsen Guizani **

mguizani@gmail.com
USA

Andrei Gurtov *

gurtov@hiit.fi
Finland

- Software Defined Mobile Networks: Beyond LTE Network Architecture
- Introduction to Host Identity Protocol and Its Practical Applications
- Security and Smartness for Medical Sensor Networks/Design and Implementation of Secure Distributed Systems and Networks
- Fair bandwidth allocation in datacenters

Ekram Hossain **

Ekram.Hossain@umanitoba.ca
Canada

- Mobile Edge Computing (MEC): Computation Offloading and Activation of MEC Servers
- Machine Learning for Wireless Networks: Basics, Applications, and Trends
- Stochastic Geometry Modeling and Analysis of Wireless Networks
- Massive Wireless Connectivity and Non-Orthogonal Multiple Access (NOMA)
- Game Theory for Wireless Networks
- Dynamic Spectrum Access in Cognitive Radio Networks

- Energy Harvesting in Wireless Networks and Self-Sustainability

Dijiang Huang **

dijiang.huang@asu.edu

USA (AZ)

- Software Defined Networking and Security
- Moving Target Defense
- Intelligent Internet Edge (Networking, Computing, and Security)
- Distributed Access Control and Privacy Protection in Blockchain
- Attribute-Based Access Control

Tara Javidi **

tjavidi@ucsd.edu

USA (CA)

- Active Learning and CSI acquisition for mmWave Initial Alignment and Cognitive Radio
- Learning and Optimization for Next Generation Communication Networks
- Information Acquisition, Controlled Sensing, and Active Learning
- Social and Federated Learning

George Karagiannidis *

geokarag@auth.gr

Greece

- Optical Wireless Communications
- Non-orthogonal Multiple Access
- Communications in the THz band
- Low Power Wide Area Networks

Adlen Ksentini *

adlen.ksentini@eurecom.fr

France

- 5G and mobile network
- Network Softwerization, Network Virtualization, SDN, NFV
- Mobile Edge Computing (MEC)
- Network Slicing

Phone Lin **

plin@csie.ntu.edu.tw

Taiwan

- Machine to Machine (M2M)/Internet of Things (IoT)
- Energy Efficient Networking for 5G Networks
- Anomaly Detection/Prediction for Internet of Things
- Performance Modeling of Mobile Networks

Liangping Ma **

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USA (CA)

- QoE-based optimization for video communication over the Internet, Wi-Fi, LTE and 5G networks
- Signal processing and medium access control for cognitive radios
- 5G air interface

Tommaso Melodia **

melodia@ece.neu.edu

USA (MA)

- Intra-Body Sensor Networks of Miniaturized Implantable Devices
- Toward a Wireless Underwater Internet of Things: Algorithms, Architectures, Devices
- The Platforms for Advanced Wireless Research (PAWR) Program: Wireless Experimentation for 5G and Beyond
- New Approaches for 5G Software-Defined Wireless Networking

- A Unified Optimization Framework for 5G Network Slicing
- Secure-by-Design Polymorphic IoT Platforms with Artificial Intelligence

Andreas Molisch *

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USA

Yi Qian *

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Nebraska, USA

- 5G wireless networks
- Spectrum and energy efficient wireless network design
- Wireless network modeling and simulations
- Wireless security and network security
- Cyber security
- Vehicular networks
- Smart grid communication infrastructures
- Big data and cloud computing

Tony Q.S. Quek *

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Singapore

- Towards Connectivity for the Next Billion Devices in IoT
- 5G - Massive, Ultra-Dense, Delay, and Computing
- Proactive Network Management meets Network Intelligence
- Fog Computing & Networking - A New Paradigm for IoT and 5G
- Cloud Radio Access Networks - When Cloud Computing meets CoMP
- Ultra Dense Networks

Giorgio Quer *

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USA

- Machine Learning in Digital Medicine
- Big Health Data with Wearables: Sensing, Processing and Outcomes
- Device-to-Device Communication in 5G
- Cellular and Device-to-Device Networks: towards Non-orthogonal Coexistence

Joel P.C Rodrigues *

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Brazil

- Internet of Things (IoT) and Sensor Networks
- e-Health and Mobile Health Technologies
- Vehicular Networks

Walid Saad **

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USA (VA)

- Machine Learning for Wireless Networks with Artificial Intelligence (AI)
- Wireless Communications and Networking with Unmanned Aerial Vehicles (UAVs)
- Virtual Reality over Wireless Networks: Modeling and Optimization
- Ultra Reliable Low Latency Communications (URLLC): Learning, Networking, and Control
- Wireless Communications for Autonomous Vehicular Systems
- The Internet of Things: Enablers, Technologies, and Applications
- Wireless Networking with Human-in-the-Loop
- Towards Resilient Smart Cities
- Security of Unmanned Aerial Vehicle Systems
- Security of the Internet of Things
- Context-Aware Wireless Networks
- Online Optimization for Fog Computing

- Game Theory for Wireless Networks
- Resource Management in Millimeter Wave Networks
- Social Network-Aware Wireless Communication
- Prospect Theory for Wireless and Cyber-Physical Systems
- Caching in Wireless Networks
- Smart Grid Energy Management and Security
- Wireless Physical Layer Security
- Modeling and Optimization of Cyber-Physical Systems
- Power line communications: from vehicular to smart grid applications
- Power line beyond communications: sensing and diagnostics for power networks
- The role of communications, sensing and computing in smart grids
- Filter bank modulation, waveforms and friends for wireless and wireline communications
- Multiple antenna radio localization: challenges, techniques and applications from smart cars to UAVs

Roberto Saracco **

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Italy

- The Digital Transformation
- Smart Cities
- Symbiotic Autonomous Systems

Gangxiang Shen *

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- Optical networks
- Green network communications
- Network survivability
- Fiber-wireless integration
- Content delivery networks (CDN)

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- Data center networking
- Elastic/flex-grid optical networks
- Performance optimization in cloud computing

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- Energy Harvesting IoTs and Context awareness
- Use of Constructive Interference in Energy Harvesting IoTs
- Virtual Sensing and Approximate services in Future IoTs - A perspective
- Millimeter wave communications for small cell networks
- Sensor Assisted Beam steering for 60GHz small cell networks
- Energy Disaggregation in smart homes

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- General Non-Stationary Wireless Channel Models for 5G and Beyond
- High-Speed Train Wireless Channel Measurements and Models
- Massive MIMO Wireless Channel Measurements and Models

- Spectral -Energy Efficiency Trade-off of 5G Wireless Communication Systems

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- Smart and Connected health, eHealth and wireless health
- Security, privacy and trust for connected Health services/applications
- Body area networks
- Integration of medical devices with wireless health
- IoT for Smart and Connected Health
- Internet of Things: Sensor and Devices, Communication and Networking, Applications
- Communication System or Decision Support System design for connected health
- Wearables & Bioelectronics
- Communication/network infrastructures, and protocols
- Software, systems and performance engineering for Connected Health
- Multimedia E-health
- Multimedia streaming over Wireless Networks, QoS and Multimedia applications
- Cloud-based Video Processing and Content Sharing

Vincent Wong **

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Canada

- Non-orthogonal multiple access (NOMA)
- Internet of Things (IoT) and machine-type communications
- Fog computing and mobile edge computing
- Smart grid communications and networking

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- Wireless Physical Layer Security for the Connected World
- Energy Harvesting Wireless Networks: A New Frontier for Communications
- Coded Caching for Next Generation Content Delivery

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- Cybersecurity and Privacy: State-of-Art, Challenges, and Opportunities
- Networking for Big Data: Challenges and Opportunities

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- Learning to Optimize in Information and Communications Systems
- Randomized Message Passing in Ultra Dense Wireless Networks
- Stochastic Optimization and Learning in Smart Grids

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- UAV communications for 5G and beyond
- Intelligent reflecting surface aided wireless communication
- Wireless powered communication: theory and practice

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- Network function virtualization (NFV) in optical networks
- Network softwarization in 5G
- Software-defined networking (SDN) with Protocol Oblivious Forwarding

(POF)

- Service provisioning in elastic optical networks (EONs)
- Knowledge-defined multilayer optical networks

TRAVEL GRANTS

General Policy

Under the Student Travel Grant (STG) Program, the Communications Society (ComSoc) provides a limited number of student travel grants to help Student Members attend major ComSoc conferences. Conference organizers may also seek other sources for travel grants and an example is: the NSF (National Science Foundation) program supports travel for students studying at a US college or university.

Eligibility for ComSoc Student Travel Grants

To qualify for the ComSoc STG, the applicant must satisfy all of the following requirements:

- Is an author of an accepted conference paper and presents the paper at the conference
- Is a Student Member of ComSoc when submitting the application
- Is a full-time student registered toward a Bachelors, Masters, or Ph.D. degree in engineering or a related field in a college or university when submitting the application
- May not receive more than one STG in any 12-month period

ComSoc Student Travel Grant Application Process and Notification

The conference website will provide the instructions for completing the STG application form, as well as, information regarding the approval/notification process. The STG Committee for each conference will review all travel grant applications and notify applicants about award decisions by the date indicated within the conference website.

The ComSoc Student Travel Grant Award

The STG consists of a monetary award to be used towards registration fee(s), conference hotel expenses, and travel costs. This is determined by the STG Committee for each particular conference. To claim a STG, the student must complete the necessary voucher form (provided on the conference website) and attach original receipts. The voucher must be received by ComSoc Staff within 45 days of the last day of the conference.

AWARDS

The Communications Society sponsors programs to recognize technical achievements and service. To learn more about these awards or how to develop or sponsor new awards, please contact the ComSoc Awards Committee.

CAREER AWARDS

IEEE Communications Society Edwin Howard Armstrong Achievement Award

Prize – Certificate, plaque, and honorarium of US\$2,000 (funded by the IEEE Foundation).

Eligibility – Must be a member of the Communications Society at time of nomination.

Basis for Judging – Demonstrates outstanding contributions over a period of years in the field of interest of the Society.

Presentation – Annually (as soon as possible after recommendation). Award will not be presented if suitable candidate is not available.

Recipients

2018- Andreas F. Molisch

2017 – Muriel Medard

2016 - Moe Z. Win

2015 - Theodore S. Rappaport

2014 - Andrea Goldsmith

2013 - John M. Cioffi

2012 - Donald Cox

2010-11 - No Recipients

2009 - H. Vincent Poor

2008 - Sergio Benedetto

2007 - Norman C. Beaulieu

2006 - Larry J. Greenstein

2005 - No recipient

2004 - Hussein Mouftah

2003 - Hikmet Sari

2002 - Michael B. Pursley

2001 - Ezio Biglieri

2000 - Laurence B. Milstein

1999 - Al Gross

1998 - Donald L. Schilling

1997 - Marvin K. Simon

1996 - Joachim Hagenauer

1995 - Adam Lender

1994 - Mischa Schwartz

1993 - Paul Schumate

1992 - Hisashi Kaneko

1991 - Burton R. Saltzberg

1990 - Jack K. Wolf

1989 - Paul E. Green, Jr.

1988 - Jack M. Sipsress

1987 - Paul Baran

1986 - Gottfried Ungerboeck

1985 - Robert Charles Terreault

1984 - Bob O. Evans
 1983 - No Recipient
 1982 - Tadahiro Sekimoto
 1981 - Robert Price
 1980 - Frederick T. Andrews
 1979 - Arthur A. Collins
 1978 - Andre Pinet
 1977 - William H.C. Higgins
 1976 - Walter B. Morrow
 1975 - Robert W. Lucky
 1974 - Frank D. Reese
 1973 - S. G. Lutz
 1973 - C.E. Shannon
 1972 - Amos E. Joel, Jr.
 1971 - A.C. Dickieson

1970 - R.K. Hellmann
 1969 - D.S. Rau
 1968 - P.G. Edwards
 1967 - J.Z. Millar
 1966 – W.T. Rea
 1965 - A.G. Kanoian
 1964 - No Recipient
 1963 - I.S. Coggeshall
 1962 – A.G. Clavier
 1961 - El Green
 1960 - No Recipient
 1959 - K. Bullington
 1958 - H.H. Beverage

IEEE Communications Society Award for Public Service in the Field of Telecommunications

Prize – Certificate, plaque, and honorarium of \$1,000.

Eligibility – No restrictions.

Basis for Judging – Major contributions to the public welfare through work in the field of telecommunications.

Presentation – Annually (as soon as possible after recommendation). Award will not be presented if suitable candidate is not available.

Recipients

2018- No Award
 2017 - Arnold Ph. Djiwatampu
 2016 – Werner Mohr
 2014-15 – No Award
 2013 – Michael J. Marcus
 2012 - Veena Rawat
 2011 - Sasi Pilacheri Meethal
 2010 – No Award
 2009 - David Falconer
 2008 - No Award
 2007 - Sam Pitroda
 2001-06 - No Award
 2000 - David D. Clark
 1994 - 99 No Award
 1993 - George E. Brown, Jr.
 1992 - Mansoor Shafi

1991- No Award
 1990 - Richard C. Kirby
 1987 - Hubert Zimmerman
 1985 – 1986 – No Award
 1984 - Mohammed Mili
 1983 – No Award
 1982 - Joseph R. Fogarty
 1981 - Henry Geller
 1979 – 1980- No Award
 1978 - Alphonse Ouimet
 1977 - Benjamin L. Hooks
 1976 - Senator J.D. Pastore

IEEE Communications Society Distinguished Industry Leader Award

Prize – Plaque, certificate, and honorarium of US\$2,000.

Description - Recognizes an industry executive whose leadership has resulted in major and outstanding advances, and new directions in the information and communications business area.

Eligibility – An information or communication industry executive who has played a major leadership role in research or development. Also within, introduction of systems, devices, applications or services; that have significantly impacted the communications and information markets on a global basis and substantially advanced the use of information and communication technologies within industry, commerce, and society. The candidate is not required to be an IEEE member.

Basis for Judging – Executive leadership resulting in major advances and new directions in the information and communications business area. Evaluation is based on such factors as global acceptance of the products and services; financial success and growth of the business; ubiquity of the products and services; emulation of the contributions by competition, and degree of global recognition of the candidate. Other factors include time of service, impact, specific innovations, etc.

Nomination/Selection Process – Nominations will be solicited each year, up to the nominations deadline decided by the Awards Committee. Nominations will be openly solicited; however, nominations would also be received from a Nominations Committee appointed by the President of the Communications Society.

Presentation - The award will be presented at a major Communication Society annual conference or venue appropriate to the business area of the recipient. The award will not be conferred in any given year if a suitable candidate is not identified. Annually (as appropriate), no more than two awards will be given per year.

Administration and Funding - The Communications Society will administer the award covered out of annual Society operating expenses until a suitable endowment is established.

Recipients

2018 – Wen Tong

2017 - Zhengmao Li

2016 - Jong-Kyun Shin

2015 – Paul E. Jacobs

2014 – Eros Spadotto

2013 – No Award

2012 - Janusz Filipiak

Niklas Zennstrom

Janus Friis

2011 – No Award
2010 – Suk-Chae Lee
2009 - Kaoru Yano
2008 - No Award
2007 - Arun Sarin
2006 - Henry Samueli

2005 - No Award
2004 - Ki Tae Lee
2004 - Irwin M. Jacobs
2003 - Jorma Ollila
2002 - John T. Chambers
2001 - Keiji Tachikawa

IEEE Communications Society Industrial Innovation Award

Prize – Plaque, certificate, and honorarium of US\$1,000 for each recipient. Up to three individuals may receive this award in a calendar year for separate accomplishments or as members of a team.

Description - To annually recognize an individual within the industry for major industrial accomplishments, standards, deployment of important processes or products, etc., Also, that substantially benefit the public in the field of communications and information technologies and are visible beyond the company or institution where the contribution was made.

Eligibility – Individuals at any level who were industry employees at the time of the accomplishments being recognized; candidate need not be an IEEE member.

Basis for Judging – Basis for judging and factors to be considered in the selection are time/length of service, impact in the field of communications, specific innovations benefiting industry, commerce, and society.

Presentation – Annually (as soon as possible after recommendation). No more than three awards may be made in any calendar year. The award will not be conferred in any given year if suitable candidates are not identified. The award will be presented at a major Communications Society annual conference or venue appropriate to the business are of the recipient.

Administration and Funding - The IEEE Communications Society will administer the award. Funding will be covered by the annual Society operating budget unless a suitable endowment is established

Recipients

2018 – No award
2017 - Thomas L. Marzetta
2016 - Thierry Klein
2015 - Chih-Lin I
2014 – Wen Tong
2013 - Rajiv Laroia
2011 – Lawrence Bernstein

2012 – Stephen Alexander
2010 – No Award
2009 - David Belanger

IEEE Communications Society Education Award

Prize - Plaque, certificate, and honorarium of US\$1,000.

Description - To recognize distinguished and significant contributions to education within the Society's technical scope.

Eligibility – An IEEE Communications Society member at the time of nomination, who is an educator and who has made distinguished and substantial contributions to education within the fields of interest of ComSoc.

Basis for Judging - Nominees shall be judged by a career of meritorious achievement as exemplified by writing of scholarly books and texts, course materials, and papers on education; inspirational and innovative teaching; creativity in the development of new curricula and methodology, etc.

Nominee Solicitation - Nominations will be solicited each year and/or up to the nominations deadline decided by the Awards Committee. Nominations will be openly solicited.

Selection Process - All nominations shall be submitted to the IEEE Communications Society Awards Committee for final selection. The selection process shall comply with procedures and regulations established in IEEE and ComSoc governing documents, in particular with IEEE Policy 4.4 on Award Limitations.

Schedule - Nominations will be solicited from June until 1 September, unless otherwise noted via an open call on the ComSoc website. Nominations must then be submitted via the nomination form posted on the ComSoc website. Recipients will be notified by 15 October.

Presentation – Annually, presented by the IEEE Communications Society Awards Committee Chair and in the name of the IEEE Communications Society during the Global Communications Conference (GLOBECOM).

Administration and Funding - The IEEE Communications Society will administer the award. Funding will be covered by the annual Society operating budget unless a suitable endowment is established. The Society's budget includes the amount for this award and the Society budget is net positive with the inclusion of the award.

Recipients

2018 – Lajos Hanzo

2017 – Xuemin (Sherman) Shen

2016 – Michele Zorzi

2015 – Tarek S. El-Bawab

SERVICE AWARDS

IEEE Communications Society Donald W. McLellan Meritorious Service Award

Prize – Certificate, plaque, and honorarium of \$1,000 up to two awards per year.

Eligibility – Must be a member of the IEEE Communications Society.

Basis for Judging – Outstanding long-term service to the welfare of the IEEE Communications Society.

Presentation – Annually, (as soon as possible after recommendation) or award will not be presented if suitable candidate is not available.

Recipients

2018 – No Award

2017 – No Award

2016 – Raouf Boutaba

2014-15 – No Award

2013 – Byeong Gi Lee

2012 - Sergio Benedetto

2011 - Stefano Galli

2010 - Leonard J. Cimini, Jr.

2009 - Nim K. Cheung

2008 - Shri K. Goyal

2007 - Roberto Saracco

2006 - Alexander D. Gelman

2005 - Mark J. Karol

2004 - Harvey A. Freeman

2001-03 - No Award

2000 - Douglas N. Zuckerman

1999 - No Award

1998 - Roberto de Marca

1997 - Curtis A. Siller

1996 - No Award

1995 - Thomas J. Plevyak

1994 - Raymond L. Pickholtz

1993 - Joseph L. LoCicero

1992 - Frederick T. Andrews

1991 - Celia Desmond

Jack C. McDonald

1990 - Richard P. Skillen

1989 - William H. Tranter

1988 - Richard A. Alston

John Limb

1987 - Noriyoshi Kuroyanagi

1986 - Paul E. Green, Jr.

John S. Ryan

1985 - M.R. Aaron

Bruce DeMaeyer

1983 - Allen Gersho

Adam Lender

Stephen Weinstein

1982 - William W. Middleton

Walter B. Noller

1981 - Richard L. Shuey

Edward J. Doyle

1980 - Edward J. Glenner

1979 - Richard Kirby

1978 - Donald L. Schilling

1977 - David Solomon

1976 - Ran Slayton

Anthony B. Giordano

IEEE Communications Society Harold Sobol Award for Exemplary Service to Meetings & Conferences

Prize – Plaque, certificate, and honorarium of US\$1,000.

Description and Eligibility – Society member at time of nomination who has demonstrated exemplary services to the meetings and conferences of the Society over a sustained period of time. Evaluation of candidates is based on such factors as long-term service, significant contributions, strategic planning and financial success, etc.

Basis for Judging – Exemplary service to IEEE Communications Society meetings and conferences over a sustained period of time.

Presentation – Annually (ass appropriate).

Nomination/Selection Process - Nominations will be openly solicited but they will be screened and reduced to a short list by a nominations committee chaired by the Vice President Conferences and consisting of members of the Conferences Steering Committee. The short list will be provided to the Awards Committee and the Awards Committee will select the final awardee.

Schedule and Presentation - Nominations will be solicited each year, up to the nominations deadline decided by the Awards Committee. The award will be presented at GLOBECOM or other venue appropriate to the award and the recipient. The award will not be conferred in any given year if a suitable candidate is not identified. Annually (as appropriate); no more than one award will be given per year.

Administration and Funding - The Communications Society will administer the award. Funding will be covered out of annual Communications Society operating expenses unless a suitable endowment is established.

Recipients

2018 – Xuemin Sherman Shen

2017 – Chengshan Xiao

2016 – Merrily W. Hartmann

2015 - Mehmet Ulema

2014 – Stefano Bregni

2013 - Gerhard Fettweis

2012 - Hikmet Sari

2011 - Khaled B. Letaief

2010 - Abbas Jamalipour

2009 - Heinrich Stüttgen

2008 – Roberto de Marca

2007 - Raouf Boutaba

2006 - Paul R. Hartmann

2005 - Jaafar M.H. Elmirghani

2004 - No award

2003 - Doug Lattner

2002 - Douglas N. Zuckerman

2001 - Harvey A. Freeman

2000 - Ross C. Anderson

IEEE Communications Society Joseph LoCicero Award for Exemplary Service to Publications

Prize – Plaque, certificate, and honorarium of US\$1,000.

Description and Eligibility – A Society member at time of nomination who has been involved with one or more of the Society’s publications (e.g., journals, magazines; print or electronic) for a sustained period of time and having made notable contributions in areas such as editing, publishing or otherwise facilitating their realization, quality, scope or visibility.

Basis for Judging – Exemplary service to IEEE Communications Society publications over a sustained period of time.

Deadline and Presentation - Nominations due 1 September, unless otherwise noted. Will be presented annually (as appropriate).

Recipients

2018 – Robert Schober
2017 – Sara Kate Wilson
2016 – Leonard J. Cimini Jr.
2015 - Xuemin (Sherman) Shen
2014 – Chengshan Xiao
2013 - David Daut
2012 - Nelson Fonseca
2011 - Vijay Bhargava
2010 - Larry Greenstein
2009 - Raouf Boutaba
2008 - Andrzej Jajszczyk
2007 - Khaled Ben Letaief
2006 - James F. Kurose
2005 - Yeheskel (Zeke) Bar-Ness
2004 - Desmond P. Taylor
2003 - No Award
2002 - Curtis A. Siller
2000 – No Award
2001 - William H. Tranter
1999 - Joseph L. LoCicero
1998 - Paul E. Green, Jr.

IEEE ComSoc/KICS Exemplary Global Service Award

Prize – Plaque, certificate, and honorarium of \$2,000 and up to \$1,500 for travel to receive award.

Eligibility – Member of the Communications Society or the Korean Information & Communications Society at time of nomination.

Basis for Judging – Outstanding and long-term service fostering and advancing globalization within the communications arena.

Nomination/Selection Process – ComSoc Awards Committee will handle the evaluation and selection process. Nominations will be solicited each year, up to the nominations deadline decided by the Awards Committee.

Presentation - The award will be presented annually (as appropriate) by presidents of both societies during IEEE GLOBECOM. The award will not be conferred in any given year if a suitable candidate is not identified.

Administration and Funding - KICS will provide the honorarium and partial travel support; ComSoc will provide the plaque and certificate.

Deadline – Nominations due 1 September, unless otherwise noted.

Recipients

2018 – No Award

2017 Byeong Gi Lee

2015-16 - No Award

2014 - Lin-Shan Lee

2012-13 - No Award

2011 - J. Roberto B. de Marca

2010 – Roberto Saracco

2009 - Tomonori Aoyama

2008 - Maurizio Decina

2007 - Stephen B. Weinstein

IEEE Communications Society Robert M. Walp Industry Humanitarian Award

Prize - Plaque, certificate, and honorarium of \$1000..

Eligibility - An information or communications industry executive who played a major leadership role in research or development and introduction of systems, devices, applications or services that have significantly impacted humanity through availability and use of such technologies in developing or under-served areas, improving the well-being of people, or enabling their access to emergency and other basic services. The candidate is not required to be an IEEE member.

Basis for Judging - Executive leadership applying advances in information and communications technology so that they have a substantial impact on humanitarian needs and objectives. Evaluation is based on such factors as widespread acceptance of the products and services, meeting humanitarian objectives, ubiquity of the products and services in under-served or underdeveloped regions or communities, emulation of the contributions by others, and degree of global recognition of the candidate by humanitarian and

other organizations. Other factors include time of service, impact, specific innovations, etc.

Nominee Solicitation - Nominations will be solicited each year, up to the nominations deadline decided by the Awards Committee. Nominations will be openly solicited; however, nominations will also be received from a Nominations Committee appointed by the President of the Communications Society.

Presentation - The award will be presented at either a major Communications Society annual event or an industry venue appropriate to the recipient, such venue being chosen by mutual agreement of ComSoc and the recipient. The award will not be conferred in any given year if a suitable candidate is not identified. No more than one award will be given in any calendar year (January 1 – December 31).

Administration and Funding - The honorarium will be funded out of Communications Society's annual operating budget. The Society/Council's budget includes the amount for this award AND the Society/Council budget is net positive with the inclusion of the award. No travel costs are to be paid.

IEEE Communications Society Carole Swaim Award for Distinguished Staff Service

Prize - The award will include a plaque, certificate, and honorarium of \$1,000.

Eligibility - Member of the IEEE Communications Society Staff.

Basis for Judging - For outstanding service over a period of years to the IEEE Communications Society.

Nomination & Selection Process - Nominations shall be solicited each year (from volunteers only) up to the nomination deadline decided by the Awards Committee. The list of nominees shall be submitted to OpCom for consideration and determining the awardee at their OpCom 2 meeting. The name of the awardee selected (if any) shall be conveyed to the Awards Committee to facilitate coordination of the Awards Ceremony.

Presentation - The award shall be presented during IEEE GLOBECOM. The award title and description, with the recipient's name, shall be included in the ComSoc Community Directory. There is no requirement to confer the award in any given year.

Recipients

No Recipients – 2015 – 2018

Carole Cronin 2014

Bruce Worthman 2011

Ting Qian 2009

Carole Swaim 2007

PAPER AWARDS

Note: ComSoc magazines and journals are defined as those financially sponsored, in whole or in part, by the IEEE Communications Society.

The IEEE Communications Society Best Tutorial Paper Award

Prize – Plaque and honorarium up to US\$500 for each author (award total not to exceed US\$1,000).

Eligibility – Given to an outstanding tutorial paper published in any IEEE Communications Society magazine or journal in the previous 5 calendar years; author need not be an IEEE member.

Basis for Judging – Clarity and quality of presentation, timeliness, and relevance of topic.

Nominee Solicitation – Nominations solicited by Chair of Magazines/Journals Paper Awards Selection Committees in consultation with Magazines/Journals Editors-in-Chief.

Selection Process – Nominations screened and short list prepared by the Magazines and Journals Paper Awards Selection committees with the approval of the Magazines/Journals Editors-in-Chief, Director of Magazines, and Director of Journals. The short list submitted to the Communications Society Awards Committee for final selection.

Presentation – Annually, (as soon as possible after recommendation) if in any year no eligible paper is deemed to be of sufficient quality, no award will be given.

Deadline – Nominations due 15 February, unless otherwise noted

The IEEE Communications Society Leonard G. Abraham Prize (in the Field of Communications Systems)

Prize – Plaque and honorarium up to US\$500 for each author (total not to exceed US\$1,000).

Eligibility – Publication of an original paper published in the IEEE Journal on Selected Areas in Communications in the previous three calendar years. The author(s) need not be an IEEE member.

Basis for Judging – Quality, originality, utility, timeliness, clarity of presentation.

Nominee Solicitation – Nominations solicited by Journal Editor-in-Chief from the Editorial Board, guest Editors, and readership (through published notice).

Selection Process – Nominations screened and reduced to a short list by a committee of the Editorial Board and submitted to the Communications Society Awards Committee for final selection.

Presentation – Annually (as soon as possible after recommendation). Award will not be given if a paper of high quality is not submitted.

The IEEE Communications Society Stephen O. Rice Prize (in the Field of Communications Theory)

Prize – Plaque and honorarium up to US\$500 for each author (total not to exceed US\$1,000).

Eligibility – Publication of an original paper, in the category of Communications Theory, published in the *IEEE Transactions on Communications* in the previous 3 calendar years. Author need not be an IEEE member.

Basis for Judging – Quality, originality, utility, timeliness, and clarity of presentation.

Nominee Solicitation – Nominations solicited by Transactions Editor-in-Chief from the Editorial Board, guest Editors, and readership (through published notice).

Selection Process – Nominations screened and reduced to a short list by a committee of the Editorial Board and submitted to the Communications Society Awards Committee for final selection.

Presentation – Annually, (as soon as possible after recommendation) if in any year no eligible paper is deemed to be of sufficient quality, no award will be given.

Deadline – Nominations due 15 February, unless otherwise noted.

The IEEE Communications Society William R. Bennett Prize

Prize – Plaque and honorarium up to US\$500 for each author (total not to exceed US\$1,000).

Eligibility – Publication of original paper, in the category of Communications Networking, published in the *IEEE/ACM Transactions on Networking* or the *IEEE Transactions on Network and Service Management* in the previous 3 calendar years. The author(s) need not be an IEEE member.

Basis for Judging – Quality, originality, utility, timeliness, and clarity of presentation.

Nominee Solicitation – Nominations solicited by Transactions Editor-in-Chief from the Editorial Board, guest Editors, and readership (through published notice).

Selection Process – Nominations screened and reduced to a short list by a committee of the Editorial Board and submitted to the Communications Society Awards Committee for final selection.

Presentation – Annually, (as soon as possible after recommendation) if in any year no eligible paper is deemed to be of sufficient quality, no award will be given.

Deadline – Nominations due 15 February, unless otherwise noted.

The IEEE Communications Society Fred W. Ellersick Prize

Prize – Plaque and honorarium up to US\$500 for each author (total not to exceed US\$1,000).

Eligibility – Publication of an original paper in any IEEE Communications Society magazine in the previous 3 calendar years; author need not be an IEEE member.

Nominee Solicitation – Nominations solicited by the Chair of Magazines Paper Awards Selection Committee in consultation with Magazines Editors-in-Chief.

Selection Process – Nominations screened and short list prepared by the Magazines Paper Awards Selection Committee with the approval of the Magazine's Editors-in-Chief. The short list is submitted to the Communications Society Awards Committee for final selection.

Presentation – Annually, (as soon as possible after recommendation) if in any year no eligible paper is deemed to be of sufficient quality, no award will be given.

Deadline – Nominations due 15 February, unless otherwise noted.

The IEEE Communications Society Heinrich Hertz Award for Best Communications Letter

Prize - Plaque and honorarium of US\$500 per author (up to a maximum total of US\$2000).

Description - Letters published in any letter journal financially sponsored or co-sponsored by the Communications Society which open new lines of research; envision bold approaches to communication; formulate new problems to solve and essentially enlarge the field of communications engineering, are eligible for this annual award.

Eligibility – This award is given to an outstanding manuscript published in any letter journal during the previous three calendar years which opens new lines of research, envisions bold approaches to communication, formulates new problems to solve, and essentially enlarges the field of communications engineering. Recipients need not be IEEE members.

Basis for Judging - Quality, exposition, novelty and impact.

Nominee Solicitation/Selection - Nominations will be solicited by the Editor-in-Chief of the letter journal from the Editorial Board. Each associate editor may submit no more than one paper to the Editor-in-Chief for consideration. A subcommittee comprised of the Editor-in-Chief and five Associate Editors will screen the nominated papers. Nominations will also be solicited from ComSoc Technical Committee chairs and readership (through published notices).

No more than five manuscripts will be submitted to the Awards Committee for final selection by March 1 of each year. Selection will be based on rankings given to each nominated paper by each member of the subcommittee. Each paper submitted to the Awards Committee will be accompanied by a summary statement.

Administration - The IEEE Communications Society will administer the award covered out of the Society's annual operating budget until a suitable endowment is established. Each recipient receives an honorarium of \$500 up to maximum of \$2000 (plus the minimal cost of plaques) and will be budgeted annually to cover the total cost of up to \$2000 per year.

Presentation - Annually, at ICC or GLOBECOM (as soon as possible after recommendation). Award will not be given if a paper of high quality is not uncovered.

The IEEE Communications Society/Information Theory Society Joint Paper Award

Prize – A plaque and an honorarium up to US\$500 for each author (total not to exceed US\$1,000 for each paper).

Eligibility – For outstanding papers published in any publication of the Communications Society or IEEE Information Theory Society within the previous three calendar years. The authors do not have to be members of IEEE and is presented annually.

Basis for Judging – Quality, originality, utility, timeliness, and presentation. The paper should cover the interests and achieve the values of both the Communications Society and Information Theory Society.

Sponsorship and Funding – Jointly sponsored by IEEE Communications Society (ComSoc) and Information Theory Society (IT). Funding evenly divided by the two sponsoring societies.

Selection Process –

1. Each year a joint papers evaluation subcommittee of six members is formed with three from each of the Awards committees of the two Societies. ComSoc members are appointed by the Chair of the ComSoc Awards Committee.
2. This subcommittee considers ranked nominations from publications boards in both societies and selects 1 or 2 papers as the award recipients. No paper already selected for a ComSoc paper award will be eligible. The processes/timelines will be the same as all other paper awards.

Presentation – Annually, at any event sponsored by either of the two sponsoring societies selected by the recipient(s).

IEEE Marconi Prize Paper Award in Wireless Communications

Prize – Plaque, honorarium of up to US\$1,000, and travel reimbursement of up to US\$3,000.

Description - The IEEE Guglielmo Marconi Best Paper Award is an annual award sponsored by Qualcomm Inc., for an original paper in the field of Wireless Communications published in the *IEEE Transactions on Wireless Communications* (co-sponsored by the IEEE Communications Society and IEEE Signal Processing Society).

Eligibility - Author of an original paper in the field of Wireless Communications; published in the *IEEE Transactions on Wireless Communications* in the previous 3 calendar years, are eligible for the Award. There are no restrictions as to IEEE membership, nationality, race, creed, age or gender.

Basis for Judging – Originality, utility, timeliness, and clarity of presentation.

Nominee Solicitation – Nominations solicited by the Editor-in-Chief of *IEEE Transactions on Wireless Communications* from the Editorial Board, guest editors, and readership (through published notice).

Selection Process – Annually, solicitations are sought from 1 January through 31 January. A short list is generated by 1 March and selection by an award committee (consisting of 3 members of the ComSoc Awards Committee and 1 from the Signal Processing Society) is completed by 10 April. The Chair of the Communications Society Awards Committee notifies recipients no later than 20 April.

Administration – Sponsored by Qualcomm Inc., in addition to the US\$1000 honorarium, a travel reimbursement of up to US\$3000 is provided for travel and living to enable recipients to attend the Awards Luncheon.

Presentation – Annually, presented by the IEEE Communications Society Awards Committee Chair in the name of the IEEE Communications Society, the IEEE Signal Processing Society, and the external sponsor of the award. Presented at the International Conference on Communications.

The IEEE Communications Society Award for Advances in Communication

Prize – Plaque and honorarium of US\$500 per author (up to a maximum total of US\$2000).

Eligibility – Papers that open new lines of work; envision bold approaches to communication; formulate new problems to solve and essentially enlarge the field of communications engineering. Given to an outstanding paper published in any IEEE Communications Society publication in the previous 15 calendar years. Author(s) need not be an IEEE member.

Basis for Judging – Quality, originality, novelty and impact.

Nominee Solicitation – Nominations solicited by Editors-in-Chief to the Editorial Boards and guest editors of all IEEE Communications Society publications. After screening, each Editor-in-Chief shall submit at least one nomination. Nominations will also be solicited from ComSoc Technical Committee chairs and readership (through published notice).

Selection Process – All nominations shall be submitted to the IEEE Communications Society Awards Committee for final selection by 1 March of each year. The selection process shall comply with procedures and regulations established in IEEE and ComSoc governing documents, in particular, with IEEE Policy 4.4 on Award Limitations.

Administration and Funding – The IEEE Communications Society will administer the award covered out of annual Society operating expenses until a suitable endowment is established.

Presentation – Annually at ICC or GLOBECOM. Award will not be given if a paper of high quality is not submitted. Award and recipient will be published in the ComSoc Awards Luncheon brochure and posted on the ComSoc web site.

IEEE Communications Society Charles Kao Award for Best Optical Communications & Networking Paper

Prize - Plaque and honorarium of US\$500 per author (up to a maximum total of US\$2,000). If more than four authors, the maximum of US\$2,000 would be split between each author.

Description - Award to recognize a best paper award published in *OSA/IEEE Journal on Optical Communications & Networking*.

Eligibility - This award will be given to papers published in the *OSA/IEEE Journal on Optical Communications & Networking (JOCN)* that open new lines of research; envision bold approaches to optical communication and networking; formulate new problems to solve and essentially enlarge the field of optical communications and networking. Papers published in the prior three calendar years of *JOCN* are eligible for the award. Author need not be an IEEE member.

Basis for Judging - Quality, exposition, novelty and impact.

Nominee Solicitation - Nominations will be solicited by the Editor-in-Chief of *OSA/IEEE Journal on Optical Communications & Networking* from the Editorial Board. Each associate editor may submit no more than one paper to the Editor-in-Chief for consideration. Nominations will also be solicited from ComSoc Technical Committee chairs and readership (through published notices).

Selection Process - A sub-committee comprised of the Editor-in-Chief and five Associate Editors will screen the nominated papers. Selection will be based on rankings given to each nominated paper by each member of the sub-committee. Each paper submitted to the Awards Committee will be accompanied by a summary statement. The selection process complies with procedures and regulations established in IEEE and Communications Society governing documents, in particular, with IEEE Policy 4.4 on Award Limitations.

Administration and Funding - The IEEE Communications Society will administer the award covered, in part by, an endowment established by the IEEE Foundation and the remaining out of annual Society operating expenses. The Society's budget includes the amount for this award, and the Society's budget is net positive with the inclusion of the award.

Presentation - Annually, at the OFC Conference.

IEEE Communications Society Young Author Best Paper Award

Prize - Plaque and honorarium of US\$1000. In the event that there is more than one young author, the maximum prize shall be divided equally among all young authors and each shall receive a plaque.

Description - The Young Author Best Paper Award honors the author(s) of an especially meritorious paper dealing with a subject related to the Society's technical scope and who, upon the date of submission of the paper, is less than 30 years of age.

Eligibility - Author(s) of an original paper in a subject related to the Society's technical scope and appearing in one of the Society's solely owned or jointly owned transactions or journals in the previous 3 calendar years. Whom also, upon the date of submission of the paper, is(are) less than 30 years of age. There are no restrictions as to IEEE membership, nationality, race, creed, age or gender. The prize is only presented to the young author(s) who are under 30 years of age and have made a substantial contribution to the paper.

Frequency -Annually, if in any year no eligible paper is deemed to be of sufficient quality, no award will be given.

Basis for Judging - Originality, utility, timeliness, impact, and clarity of presentation.

Nominee Solicitation - Nominations solicited by Editors-in-Chief to the Editorial Boards and guest Editors of all IEEE Communications society publications. After screening, each Editor-in-Chief shall submit at least one nomination. Nominations will also be solicited from ComSoc Technical Committee chairs and readership (through published notice).

Selection Process - All nominations shall be submitted to the IEEE Communications Society Awards Committee for final selection by February 15 of each year. The selection process shall comply with procedures and regulations established in IEEE and ComSoc governing documents, in particular, with IEEE Policy 4.4 on Award Limitations.

Administration/Funding - Budget Implication - US\$1000 per year. The IEEE Communications Society will administer the award out of the annual Society Operating Budget. The Society's budget includes the amount for this award, and the Society's budget is net positive with the inclusion of the award.

Presentation - Annually, presented by the IEEE Communications Society Awards Committee Chair and in the name of the IEEE Communications Society. Presented at the International Conference on Communications (ICC).

IEEE Communications Society Best Survey Paper

Prize - Plaque and honorarium of US\$500 per author (up to a maximum total of US\$1,000). If more than four authors, the maximum of US\$1,000 would be split between each author.

Description - Award honors the author(s) of an especially meritorious paper published in a ComSoc owned journal dealing with a subject related to the Society's technical scope.

Eligibility - This award will be given to papers published in any journal owned exclusively by the IEEE Communications Society in the past five years. Eligibility and Selection process shall comply with procedures and regulation established in IEEE and Society governing documents, particularly, with IEEE Policy 4.4 on Awards Limitations. There are no restrictions as to IEEE membership, nationality, race, creed, age or gender.

Frequency - Annually, and if in any year no eligible paper is deemed to be of sufficient quality, no award will be given.

Basis for Judging - Originality, utility, timeliness, impact, technical content, and clarity of presentation.

Nominee Solicitation - Nominations are solicited by Editors-in-Chief with the aid of their Editorial Boards and guest editors of all IEEE Communications Society publications. After screening, each Editor-in-Chief shall submit at least one nomination. Nominations will also be solicited from ComSoc Technical Committee chairs and the community at large.

Administration and Funding - The IEEE Communications Society will administer the award covered in part by an endowment established by the IEEE Foundation and the remaining out of annual Society operating expenses. The Society's budget includes the amount for this award and the Society's budget is net positive with the inclusion of the award.

PAPER AWARDS NOMINATION PROCESS

Communications Society Paper Awards

The Communications Society Awards Committee retains responsibility for the ultimate selection of winning papers and functioning of the awards process. It coordinates the nomination and decision processes; staff orders the certificates, plaques, and honorariums. ComSoc magazines and journals are defined as those financially sponsored, in whole or in part, by the IEEE Communications Society.

Magazines and Journals Editor-in-Chief are responsible for generating short nomination lists for their respective prizes and these lists become the major basis for decisions of the Awards Committee. Nominations are solicited by each Editor-in-Chief from his/her Editorial Board, guest editors, and the readership. Nominations may be solicited in a published notice. These nominations are then screened/reduced to a short list and submitted to the Awards Committee for final selection. (See specific details under each paper award.)

ComSoc welcomes nominations from Society Members for Prize Papers published in previous years. Such action will give a deserving colleague a chance for one of these prestigious awards. A nomination should clearly state the author(s), paper title, the publication/issue in which the paper appeared, and in a few words, why the paper deserves an award. It should then be sent to the Editor-in-Chief of the publication in which the paper appeared (refer to EICs listed under "Publications" of the ComSoc Community Directory).

The Communications Society Best Tutorial Paper Award

For an outstanding tutorial paper published in any Communications Society magazine or journal in the previous 5 calendar years.

The Communications Society Leonard G. Abraham Prize

For a paper published in the category of Communications Systems and published in the *IEEE Journal on Selected Areas in Communications* in the previous 3 calendar years.

The Communications Society Stephen O. Rice Prize

For a paper published in the category of Communications Theory and published in the *IEEE Transactions on Communications* in the previous 3 calendar years.

The Communications Society William R. Bennett Prize in the Field of Communications Networking

For a paper published in the *IEEE/ACM Transactions on Networking* or the *IEEE Transactions on Network and Service Management* in the previous 3 calendar years.

The Fred W. Ellersick Prize

For a paper in any Communications Society magazine in the previous 3 calendar years.

The Communications Society Heinrich Hertz Award for Best Communications Letter

For letters published in any letter journal financially sponsored or co-sponsored by the Communications Society, which essentially, enlarge the field of communications engineering in the previous 3 calendar years.

The ComSoc & Information Theory Joint Paper Award

For a paper, relevant to both Societies, that appeared in any publication of the Communications Society or the Information Theory Society in the previous 3 calendar years.

The IEEE Marconi Prize Paper Award in Wireless Communications

(ComSoc and Signal Processing Society)

For a paper from *IEEE Transactions on Wireless Communications* in the previous 3 calendar years.

The Communications Society Award for Advances in Communication

For a paper in any Communications Society journal or magazine in the previous 15 calendar years.

IEEE Communications Society Charles Kao Award for Best Optical Communications & Networking Paper

Award to recognize a best paper award published in *OSA/IEEE Journal on Optical Communications & Networking*.

IEEE Communications Society Young Author Best Paper Award

For a paper in one of the Society's solely owned or jointly owned transactions or journals in the previous 3 calendar years. The author(s) of which is (are) less than 30 years of age.

IEEE Communications Society Best Survey Paper

For a papers published in any journal owned exclusively by the IEEE Communications Society in the past five years.

The short nomination lists for all prize papers are submitted to the Communications Society Awards Committee no later than January 31 of the year following the year in which papers were published. Award presentations are traditionally made at ICC each year.

IEEE Awards

Recognition for an outstanding paper can be given at both Society and Institute levels. Editor(s)-in-Chief may wish to nominate automatically the winning Communications Society papers for appropriate IEEE awards (refer to the IEEE web site for awards information: About Us/Awards).

W. R. G. Baker Award recognizes an outstanding original paper published in any IEEE journal, transactions, proceedings, or magazine in the past year.

Donald G. Fink Award recognizes an outstanding survey or tutorial paper published in any IEEE journal, transactions, proceedings, or magazine in the past year.

IEEE COMMUNICATIONS SOCIETY CONSTITUTION

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Article 1—Name, Purposes, and Scope

1.1 Name - The name of this organization is the IEEE Communications Society, hereinafter referred to as “the Society.” It is organized within the Institute of Electrical and Electronics Engineers, Inc. hereinafter called “the IEEE.”

1.2 Purposes - The purposes of the Society are:

- Scientific and educational – directed toward the advancement of the theory, practice and application of communications engineering and related arts and sciences;
- Professional – directed toward promotion of high professional standards, development of competency and advancement of the standing of members of the profession it serves.

1.3 The Society promotes cooperation and exchange of information among its members and those of other organized bodies within and outside the IEEE. Means to these ends may include, but are not limited to, the holding of meetings for the presentation and discussion of papers, the publication of journals, sponsorship of tutorial seminars and workshops, stimulation of research, the education of members, establishment of standards, and providing for the technical and professional needs of its members via organized efforts.

1.4 Scope – The IEEE Communications Society embraces the science, technology, applications and standards for information organization, collection and transfer using electronic, optical and wireless channels and networks, including but not limited to:

- Systems and network architecture, control and management;
- Protocols, software and middleware;

- Quality of service, reliability and security;
- Modulation, detection, coding, and signaling;
- Switching and routing;
- Mobile and portable communications;
- Terminals and other end devices;
- Networks for content distribution and distributed computing; and
- Communications-based distributed resources control.

1.5 Authority - Society organization and operations are in accordance with the IEEE Constitution and Bylaws, IEEE Policies, IEEE Operations Manuals of Major Boards reporting to the IEEE Board of Directors, and Society governing documents that are not in conflict with any of the aforementioned documents..

Article 2—Bylaws

2.1 Bylaws are rules and regulations adopted by the Society for governing its members and for the overall management of its affairs. They provide guidance to govern all phases of the organization, management and activities, as outlined in the Constitution. Bylaws may not be in conflict with the Constitution. Bylaws are approved and amended by the Board of Governors and may be changed as Society interests evolve.

Article 3—Policies and Procedures

3.1 Policies and Procedures provide more detailed statements about specific policies, objectives, and procedures than are contained in the Constitution or Bylaws. Policies and Procedures shall be amended as specified in the Bylaws.

Article 4—Membership

4.1 IEEE members of any grade shall become Society members upon application and payment of the Society membership dues. The membership dues, the cost of publications, and other considerations members receive for the membership dues are to be set as part of the Society's annual budget.

4.2 Grades of membership for the Society shall be as specified in the Bylaws.

4.3 Individuals who are not members of the IEEE may become Affiliate members of the Society upon:

- Meeting the requirements established in the IEEE Bylaws for Affiliate membership;
- Making proper application for Affiliate membership;
- Making appropriate payment for Affiliate membership.

Any other requirements for Affiliate membership shall be as established in the IEEE Bylaws.

Article 5—Organization

5.1 Board of Governors (BoG) – The Society shall be governed by the BoG. The BoG shall have primary fiduciary responsibility for the Society and shall set Society policy.

5.2 Society Officers.

5.2.1 Elected Officers – The Society Officers elected by the Society membership shall be:

- **President-Elect** – The President-Elect shall serve a one-year term the year following his/her election. Following the term of one year as President-Elect, the holder of that office shall serve as President in the subsequent two years and shall serve as Past President in the year after that. The President is the Chief Executive Officer of the Society and chairs the BoG.
- **Vice Presidents** – Each shall chair a Council responsible for a key area of interest to the Society.
- **Members-at-Large** – They shall be elected for staggered multiyear terms. The operations of the Society shall be assessed periodically, and the number of Members-at-Large shall be adjusted in accordance with membership needs and growth.
- **IEEE Division III Delegate(s)/Director(s)** elected by Society membership. By virtue of such election, the holder of that office shall also be a Society Officer.

All elected Officers, including the President and the Past President, shall be voting members of the BoG.

5.2.2 Appointed Officers – The President shall appoint Officers to assist in managing Society activities. As specified in the Bylaws, such appointments may be made upon recommendation of the appropriate Vice President may require BoG approval, and the initial appointments for a President’s term shall be proposed for BoG approval in an odd-numbered year by the President-Elect. These Officers serve concurrently with the nominal term of the President. The Society appointed Officers, subject to BoG approval, shall be:

- **Treasurer**, who shall be responsible for the financial affairs of the Society.
- **Directors**, each of whom shall chair a Board.
- **Other appointed Officers** as may be provided for in the Bylaws.

Appointed Officers may be non-voting members of the BoG, as specified in the Bylaws. Appointed Officers serving on the BoG

may participate in discussions and make or second motions. If appointed Officers are serving on the BoG concurrently as elected Officers, then they shall be voting members of the BoG.

- 5.3 Operating Committee** – Management of Society affairs between regular and special meetings of the BoG is delegated to an Operating Committee (OpCom). Actions of OpCom shall be ratified at the next BoG meeting, except for those actions taken in areas already delegated.
- 5.4 Councils** – Councils report to the BoG. They are responsible for the policies of their Boards/Standing Committees, and they oversee the operations of their Boards/Standing Committees, address issues common to all their Boards/Standing Committees, address issues that could not be resolved at the Board/Standing Committee level, and escalate such issues to the BoG if they cannot be resolved at the Council level. Councils are established and dissolved through resolutions of the BoG, as specified in the Bylaws.
- 5.5 Boards** – Boards are the major operational entities of the Society and report to Councils, as specified in the Bylaws. Boards have scopes aligned with the scope of their Councils and, within their scopes, they may decide policies and make operational decisions as allowed by their Councils. Boards are established and dissolved through resolutions approved by the BoG, as specified in the Bylaws.
- 5.6 Standing Committees** – Standing Committees report to the BoG or Councils, as specified in the Bylaws. They are established and dissolved through resolutions approved by the BoG, as specified in the Bylaws.
- 5.7 Ad Hoc Committees** – Ad Hoc Committees may be established or dissolved by the President, and report to the BoG.
- 5.8 Professional Staff** – The Staff consists of paid professional employees of IEEE who support the activities of the Society. The Staff is managed by the Society Executive Director who is a Society Officer, an ex-officio non-voting member of the BoG, and also serves as the BoG Secretary.

Article 6—Finances

- 6.1 Assets** – All funds and property held by or for the Society are vested in the IEEE.
- 6.2 Revenues** – Basic revenues consist of dues or assessments that are levied on members of the Society, covering publications supplied and services rendered to all members. Other revenues may be raised from other sources, consistent with IEEE regulations. Proposed new income sources require the approval of IEEE.
- 6.3 Budget** – An annual budget shall be prepared and approved by the BoG and IEEE in advance of each fiscal year. Any changes to the budget, or expenditures in excess of budgeted amounts or for unbudgeted items,

require advance approval by the BoG before commitment and/or payment.

- 6.4 Debts** – Neither the Society nor any Officer or representative thereof has any authorization to contract debts for, pledge the credit of, or in any way bind the IEEE without prior approval or authorization by persons, organizations or documents as specified by IEEE.

Article 7—Member Services

- 7.1 Meetings and Conferences** – Principal Society meetings are conferences, workshops, symposia and conventions, held either alone or in cooperation with other IEEE units and/or other professional or technical organizations.
- 7.2 Publications** – The Society, subject to the editorial and fiscal policies of the IEEE, publishes magazines, transactions, journals and other technical materials, such as leading-edge technical articles, tutorials, conference papers, etc. Subscriptions charged for such publications may be higher for non-member subscribers and purchasers than for Society members.
- 7.3 Education** – Principal educational activities include basic and continuing education and training programs.
- 7.4 Standards** – The Society sponsors standards development in accordance with the process defined and approved by IEEE Standards Associations. It also organizes standards-related activities that comply with applicable IEEE/ComSoc and/or IEEE-SA policies.

Article 8—Amendments

8.1 Constitution

8.1.1 Amendments to this Constitution may be initiated with a:

- Proposal approved by the BoG.
- Petition submitted to the President by a minimum of 100 Members.

8.1.2 Procedure on Proposals – Proposed amendments to the Constitution require two-thirds majority vote of all the voting members of the BoG. Amendments are subject to the approval of the IEEE Vice President, Technical Activities, in accordance with the guidelines set forth in the TAB Operations Manual. After such approval, the proposed amendment shall be published in the Society magazine, or sent to the membership via email or eNewsletter. The amendment becomes effective unless one percent or more of the membership objects in writing to the designated IEEE office within 60 days of publication.

8.1.3 Procedure on Petitions – When a petition for a proposed amendment is submitted, the BoG shall prepare a summary statement and a recommendation for or against adopting the amendment. Summary statements and recommendations require a two-thirds majority vote of all the voting members of the BoG. The petition, summary statement, and recommendation shall be subject to approval by the IEEE Vice President, Technical Activities, in accordance with the guidelines set forth in the TAB Operations Manual. After such approval, the proposed amendment shall be published in the Society magazine, or sent to the membership via email or eNewsletter. The amendment becomes effective unless one percent or more of the membership objects in writing to the designated IEEE office within 60 days of publication.

8.1.4 Objections – If one percent or more objects, a ballot with the proposed amendment shall be mailed or emailed to all voting members of the Society. A return date of at least 60 days shall be allowed. Proposed amendments require a two-thirds majority of the returned ballots for approval.

8.1.5 An amendment shall become effective 60 days after all necessary approvals and notifications.

8.2 Bylaws

8.2.1 Approval of amendments to the Bylaws at a BoG meeting shall require a two-thirds vote of BoG members in attendance, provided a quorum is present.

8.2.2 Approval of amendments to the Bylaws without a meeting shall require a two-thirds majority vote of all the voting members of the BoG.

8.2.3 Bylaws amendments are subject to the approval of the IEEE Vice President, Technical Activities, in accordance with the guidelines set forth in the TAB Operations Manual. After such approval, the amendment shall be published in the Society magazine or sent to the membership via email or eNewsletter.

IEEE COMMUNICATIONS SOCIETY BYLAWS

**Approved December 2004; Amended 5/2005, 12/2005, 10/2006, 12/2006, 6/2007, 5/2008, 12/2008, 6/2009, 12/2009, 12/2010, 01/2011, 01/2011, 12/2011, 04/2012, 09/2013, 04/2014, 07/2015, 12/2015, 08/2017, 04/2018, 06/2019*

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ARTICLE 1 – OBJECTIVES

- 1.1 Objectives – The objectives of the Society are to provide its members and the global community of communications professionals with the services outlined in Clauses 1.2, 1.3, and 1.4.
- 1.2 Technical Information
 - Creation via research and innovation in the IEEE Communications Society community
 - Identification and promotion of hot topics
 - Worldwide dissemination via publications, presentations, and electronic media

- Exchange via Chapter activities, workshops, discussions, mutual assessments, general networking on technical subjects, and other means of professional communication
 - Facilitation of standards activities
- 1.3 Education (basic and continuing)
- Tutorials, short courses, lecture programs
 - Chapter support and other delivery mechanisms
- 1.4 Professional Services
- Personal career growth by providing technical and personal development information
 - Job opportunity benefits through inter-personal networking and facilitation of interactions among members
 - IEEE programs

ARTICLE 2 – MEMBERSHIP

- 2.1 Availability of membership in the Society is specified in the Constitution.
- 2.2 Categories of Society membership shall be in accordance with IEEE Bylaws. A member's grade within the Society shall be the same as that member's IEEE grade.
- 2.3 Members who hold the grade of Graduate Student Member, Member, Life Member, Senior Member, or Fellow in the IEEE shall have all the rights and privileges of membership within the Society unless otherwise specified in these Bylaws.
- 2.4 Student Members and Affiliates shall have all the rights and privileges of membership within the Society except for the right to vote on matters presented to the Society membership and the right to hold office. Associate Members shall have all the rights and privileges of membership within the Society, except the right to hold office.
- 2.5 A Society member who is delinquent in paying Society dues shall be dropped from membership according to IEEE procedures. A former member may reinstate membership upon payment of current dues.

ARTICLE 3 – OFFICERS AND OPERATIONS

- 3.1 All officers (elected and appointed) of the Society shall be members of the Society (Graduate Student level or higher). In addition, all voting members of all Society assemblies (including Technical Committees and Industry Communities) and Society Representatives shall be members of the Society (Graduate Student level or higher). The President-Elect and Vice Presidents (VPs) shall be Senior Members or Fellows of the IEEE.
- 3.2 Elected Officers

- 3.2.1 President-Elect, Vice President-Technical and Educational Activities (VP-TEA), Vice President-Publications (VP-PUB), Vice President-Conferences (VP-CON), Vice President-Member and Global Activities (VP-MGA), Vice President-Industry and Standards Activities (VP-ISA), IEEE Division III Delegate(s)/Director(s)-Elect, and Members-at-Large of the BoG are elected by direct vote of the voting Members of the Society.
- President-Elect shall be elected in even-numbered years, and Vice Presidents in odd-numbered years.
 - One-third of the total (12) Members-at-Large shall be elected annually.
 - When an elected officer, except the President-Elect, is elected to another Society position, that officer shall resign from the former position upon taking the new office.
 - When an elected officer is elected to the position of President-Elect, that officer may continue to hold the current position until the conclusion of its term or upon entering the position of President, whichever comes first.
- 3.2.2 Terms of Office
- The President-Elect shall serve a one-year term the year following the election to President-Elect (odd-numbered), then begin a two-year term as President the following year (even-numbered), and then continue for a one-year term (even-numbered) as Past President.
 - Vice Presidents shall serve two-year terms beginning in the even-numbered year following their election.
 - Members-at-Large shall serve a three-year term beginning the year following their election.
- 3.2.3 Eligibility for Re-election
- The President-Elect shall serve only one term.
 - Vice Presidents may be re-elected to the same office for a second consecutive two-year term but are further ineligible for that office until the lapse of one year.
 - A member shall be ineligible for a Vice President-level position after being elected for a total of any five vice-presidential terms, consecutive or otherwise.
 - Members-at-Large may be re-elected as Members-at-Large for a second consecutive term but are further ineligible for that office until the lapse of one year.
- 3.2.4 Absence or Incapacity of:
- President – Duties shall be performed by the President-Elect (odd-numbered years)/Past President (even-numbered years) and then by the Vice President-Technical and Educational Activities, Vice President-Publications, Vice President-Conferences, Vice President-Member and Global

Activities, and Vice President-Industry and Standards Activities, in that order.

- President-Elect – The term shall be filled by the Past President, who shall continue in that capacity until a special election is held and a new President-Elect is chosen.
- Past President – The term shall be filled by the VP-Technical and Educational Activities and then by the Vice President-Publications, Vice President-Conferences, Vice President-Member and Global Activities, and Vice President-Industry and Standards Activities, in that order.
- Vice President – Individuals shall be identified from the appropriate candidate group slate, in the sequence of the number of votes received, and the individual receiving the highest number of votes shall be automatically appointed to serve the remainder of the elected term.
- Member-at-Large – Individuals shall be identified from the same regional slate as the candidate being replaced, in the sequence of the number of votes received, and the individual receiving the highest number of votes shall be automatically appointed to serve the remainder of the elected term. If none of these individuals can serve, the vacancy shall be filled by action of the BoG upon proposal by the President; a person filling a position in this manner shall serve for the remainder of the elected term.

3.2.5 Removal from Office. A Society Officer elected by the voting members of the Society may be removed from office, with or without cause, as follows:

- By a two-thirds majority vote of the BoG, or
- By a vote of the voting members of the Society within thirty days following the receipt by IEEE of a petition signed by at least 10% of the total number of voting members of the Society moving for the removal of such individual. A ballot on such motion shall be submitted to the voting members of the Society. If a majority of the ballots cast by the voting members for or against such motion are to remove such individual, the individual shall be removed from such positions.

3.2.6 Vacancies. If an elected position is vacated before the full term is completed, the position shall be filled as specified in Bylaw 3.2.4.

3.3 Appointed Officers

3.3.1 The Society appointed Officers shall be:

- Chief Information Officer (CIO) – Oversees cost-effective planning, acquisition, maintenance and use of the Society's

information systems and networking, databases and telecommunications services.

- Chief Marketing Officer (CMO) – Oversees the Society's marketing initiatives across multiple platforms and media driving ComSoc quality, engagement, and brand consistency.
- Directors – Each Director chairs a Board and serves in the Council to which the Board reports.
 - A Regional Director shall be appointed as specified in Clause 3.3.2 from a list containing at least two candidates from each region submitted by the respective Regional Board before December 15 of odd-numbered years. If the respective Board does not submit its list by this deadline, the President-Elect shall propose the appointment in consultation with the VP-MGA Elect, as specified in Clause 3.3.2.
- Society Parliamentarian – The role of the Society Parliamentarian shall be strictly limited to giving advice to the Chair during BoG and OpCom meetings and, when requested or needed, to any other Society assembly Chairs and members. It is also the duty of the Society Parliamentarian to advise the Chair of potential actions that could affect the substantive rights of any member or may otherwise do harm. The Chair has the duty to make the final ruling and therefore may follow the advice of the Parliamentarian or disregard it. The Society Parliamentarian also has the same duty as the presiding officer to maintain a position of impartiality and, differently from other non-voting officers, shall not be allowed to make/second motions or participate in debate.
- Standing and Ad Hoc Committee Chairs
- Treasurer – Is responsible for assuring sound financial practices, establishing prudent budgetary policies, overseeing preparation and presentation of the Society's budget and working with IEEE on financial matters.

3.3.2 The appointment of Treasurer, CIO, CMO, Parliamentarian, Directors, and Standing Committee Chairs shall be proposed for BoG approval by the President-Elect in consultation with the VP-Elect (if any) with whom the position is associated, except for those positions which are held ex-officio as specified in these Bylaws. Such appointment proposal shall be approved by the outgoing BoG at a meeting (regular or special) in an odd-numbered year.

3.3.3 The appointment of Chairs of Ad Hoc Committees rests with the President.

- 3.3.4 All Society appointed Officers shall be appointed for not more than two consecutive terms for the same position. After two consecutive terms as an appointed Officer, the volunteer shall not be eligible to serve in the same position until the lapse of two terms from the end of their last term. All Society appointed Officers shall serve for the nominal term of the President unless otherwise specified in these Bylaws.
 - 3.3.5 For each appointed BoG position, there shall be documentation attesting that an earnest effort was made to identify a diverse set of qualified candidates and that no discrimination was made pursuant to IEEE Policy 9.26.
 - 3.3.6 Removal from Office – An appointed Society Officer or Board/Committee member may be removed from office, with or without cause, by (i) a 2/3 majority vote of the appointing assembly or (ii) the individual(s) who hold(s) the office that made the appointment.
 - 3.3.7 Vacancies – In the event that an appointed officer position is vacated before the full term is completed, the position shall be filled by action of the BoG upon recommendation by the President. In filling vacancies for unexpired terms, an appointed officer who has served more than half a term in an office is considered to have served a full term.
- 3.4 Members of ComSoc Assemblies
- 3.4.1 Vacancies – in the event that an appointed assembly member position is vacated before the full term is completed, the position shall be filled in the same manner as the original appointment as defined in these Bylaws. In filling vacancies for unexpired terms, an assembly member who has served more than half a term in a position is considered to have served a full term.

ARTICLE 4 – ELECTED OFFICER RESPONSIBILITIES

- 4.1 President, President-Elect, and Past President Responsibilities
- 4.1.1 In the odd-numbered years, the President-Elect shall assist the President in discharging the responsibilities of that office. In the even-numbered years, the Past President shall assist the President in taking on the responsibilities of that office.
 - 4.1.2 The President-Elect shall start the selection process for the Society appointed Officers specified in Clause 3.3.
 - 4.1.3 The President shall appoint Officers as needed in consultation with the appropriate VP and with BoG approval, as specified by the Society governing documents.

- 4.1.4 The President shall inform the BoG of the roster of all Boards and Standing Committees as soon as they are finalized and before the first BoG meeting following the start of the President's term.
- 4.1.5 The President is the highest-ranking volunteer officer of the Society. The President is responsible for leading the implementation of strategic actions and directions set by the ComSoc BoG. The President, or a President's delegate, represents the Society in negotiations with Sister Societies and other similar organizations.
- 4.1.6 The President shall oversee and coordinate handling of ethics and conduct issues involving members, including author misconduct, at the Society level. The President shall be assisted by the Society Executive Director and by volunteers with experience in such matters, as needed.
- 4.1.7 The President shall keep the BoG informed of openings in IEEE leadership positions, solicit from the BoG recommendations for candidates which may also be conveyed directly to IEEE, and encourage ComSoc members to volunteer for such IEEE positions.
- 4.2 Vice Presidents – Responsibilities
- 4.2.1 Vice Presidents are accountable for activities in their areas of responsibility. Each VP chairs a Council and represents that Council in the BoG.
- 4.2.2 Vice President – Technical and Educational Activities is responsible for all technical activities and educational services within the Society.
- The following Boards and Standing Committees report to the Council chaired by this Vice President:
- Educational Services Board
 - Technical Committees Board
 - Communications History Standing Committee
 - Distinguished Lecturers' Selection Standing Committee
 - Emerging Technologies Standing Committee
 - Technical Committees Recertification Standing Committee
- 4.2.3 Vice President – Publications is responsible for all activities of the Society related to print and electronic products, such as journals, magazines, and online offerings. The following Boards report to the Council chaired by this Vice President:
- Journals Board
 - Magazines Board
 - Online Content Board

4.2.4 Vice President – Conferences is responsible for all aspects of technical conferences, workshops, and professional meetings, including conference publications. The following Boards and Standing Committees report to the Council chaired by this Vice President:

- Conference Development Board
- Conference Operations Board
- GLOBECOM/ICC Management & Strategy Standing Committee
- GLOBECOM/ICC Technical Content Standing Committee

4.2.5 Vice President – Member and Global Activities is responsible for: i) all activities, services and programs associated with members and chapters, and oriented to membership retention, development, and marketing in the four regions; ii) all activities related to the organization and management of chapters; and iii) relations with other IEEE and professional societies worldwide.

The following Boards and Standing Committees report to the Council chaired by this Vice President:

- Member Services Board
- Sister & Related Societies Board
- Asia/Pacific Region Board
- Europe, Middle-East & Africa Region Board
- Latin America Region Board
- North America Region Board
- Women in Communications Engineering Standing Committee
- Young Professionals Standing Committee

4.2.6 Vice President – Industry and Standards Activities shall be responsible for overseeing all Society activities and programs related to all standards activities and industry services within the Society, including: (i) fostering technical activities related to relevant current standards development and industry services; (ii) identifying opportunities and fostering ComSoc's engagement in new and/or existing standards development projects that are under development by different standards development organizations worldwide; (iii) increasing the visibility of ComSoc industry and standards initiatives within IEEE, the wider international standards community, and the broad international community of communications technologists; (iv) using ComSoc industry and standards activities to forge closer ties with ComSoc's other departments and activities; (v) maintaining a close and informed relationship with the IEEE-SA; (vi) management within ComSoc, according to IEEE governing documents, ComSoc-sponsored IEEE Standards

Association (IEEE-SA) projects, and (vii) fostering and implementing activities that are of interest to industry and government including practitioners, managers, executives, young professionals and other industry professionals. The Vice President – Industry and Standards Activities shall be the official ComSoc liaison to the IEEE Standards Association Board of Governors.

The following Boards report to the Council chaired by this Vice President:

- Standards Development Board
- Standardization Programs Development Board
- Industry Outreach Board
- Industry Communities Board

The Vice President – Industry and Standards Activities shall be an ex-officio voting member of the Standards Development Board, the Standardization Programs Development Board, the Industry Outreach Board, and the Industry Communities Board.

4.3 Members-at-Large (MaLs) – Responsibilities

4.3.1 MaLs represent all Society members in the conduct of Society business, reviewing, discussing, proposing, and acting upon a wide range of items affecting the Society.

4.3.2 Members-at-Large are responsible for:

- Attending and actively participating in regular and special meetings of the Board of Governors and OpCom (if appointed)
- Preparing for all meetings to facilitate discussion and required decisions
- Making themselves available to Society members for dialog regarding Society issues.
- Sharing with other BoG members questions/concerns/suggestions that are conveyed to them by Society members.

ARTICLE 5 – THE BOARD OF GOVERNORS

5.1 Officers on the BoG:

- Elected Officers (Voting):
 - President (BoG Chair)
 - President-Elect (odd-numbered years only)
 - Immediate Past President (even-numbered years only)
 - Vice Presidents

- Members-at-Large
 - IEEE Division III Delegate/Director
 - IEEE Division III Delegate/Director-Elect (odd-numbered years only)
 - Ex-Officio Officers (Non-voting):
 - Directors
 - Chief Information Officer
 - Chief Marketing Officer
 - Parliamentarian
 - Treasurer
 - Society Executive Director (BoG Secretary)
- 5.2 The BoG shall hold at least two regular in-person meetings annually.
- 5.3 Special BoG meetings may be held at the request of the President or any four members of the BoG. Notice of such special meetings, giving the meeting type (in-person or teleconference), attendance details (time and place or dial-in information), the purpose of the meeting, and the names of the BoG members calling the meeting, shall be sent to the BoG not less than 21 days (for in-person meetings) or 2 days (for teleconference meetings) before the date set for the start of the special meeting.
- 5.4 Each year, the President, Vice Presidents, and Society Executive Director shall submit the coming year's Operating Plans to the BoG. Progress on these plans shall be reviewed throughout the year by the BoG.

ARTICLE 6 – THE OPERATING COMMITTEE

- 6.1 OpCom shall be a standing committee of the BoG and its P&Ps shall be included in the Society P&Ps.
- 6.2 OpCom's role is to oversee the implementation of the Society's strategic plans including establishing priorities and guidelines for execution.
- 6.3 Between BoG meetings, OpCom conducts business on behalf of the BoG and is comprised of a subset of the BoG members. OpCom approved actions shall become effective immediately if within the scope of the delegations assigned by the BoG to OpCom. Actions not within such delegation shall be submitted to the BoG for approval in the consent agenda or for further consideration at its next meeting. If four voting members of the BoG wish to rescind a motion approved at OpCom, they shall notify the BoG within one week from the distribution of the list of motions passed at the OpCom meeting. In such case, execution of the OpCom motion shall be delayed until the matter is discussed and voted upon at a BoG special or regular meeting.
- 6.4 The responsibilities under the entire BoG and those delegated to OpCom shall be specified in the Bylaws. The BoG delegates to OpCom the authority to act on the matters specified below and only those:

- Authorize any action made in the areas already delegated to the various VPs/Councils and also authorize cross-area initiatives, up to the expenditure limit of \$50k.
 - Approves transition proposals of IEEE-initiated initiatives into ComSoc.
 - Approve submission of ComSoc-sponsored proposals to the IEEE New Initiatives Committee or the IEEE Future Directions Committee.
 - Prepare Operating Plans for achieving tactical objectives in the implementation of the BoG-approved strategic plans.
 - Establish the priorities of Society programs and projects, as needed, in the implementation of the Society Operating Plans.
 - Provide input to the goal setting and performance evaluation processes of the ComSoc Staff Executive Director through the Managing Director – Technical Activities, and propose revisions of those goals, in compliance with IEEE procedures, to achieve the Society tactical and strategic goals.
 - Selects the awardee for the IEEE Communications Society Board of Governors Carole Swaim Distinguished Staff Award.
- 6.5 OpCom voting members shall be:
- President
 - President-Elect (odd-numbered years), immediate Past President (even-numbered years)
 - Vice Presidents
 - BoG Members-at-Large (three) appointed as follows: each year, the President shall appoint one BoG MaL for a 3-year term chosen among the first-year MaLs.
 - IEEE Division III Delegate/Director
- 6.6 OpCom non-voting members shall be:
- Chief Information Officer
 - Chief Marketing Officer
 - Treasurer
 - Society Parliamentarian
 - Society Executive Director
- 6.7 OpCom shall normally hold the following meetings and the OpCom P&Ps shall specify the priorities to be addressed:
- March/April (in-person)
 - July/August (teleconference)
 - September/October (in-person)
- 6.8 Special OpCom meetings may be held at the request of the President or any four OpCom members. Notice of such special meetings, giving the meeting type (in-person or teleconference), attendance details (time and

place or dial-in information), the purpose of the meeting, and the names of the OpCom members calling the meeting, shall be sent to OpCom not less than 21 days (for in-person meetings) or 2 days (for teleconference meetings) before the date set for the start of the special meeting.

- 6.9 The President shall report at BoG meetings the main decisions made at previous OpCom meetings and their rationale.
- 6.10 Every three years, the BoG shall either reaffirm the existing delegations or amend them as necessary.

ARTICLE 7 – OPERATIONS IN SOCIETY ASSEMBLIES

A majority of the voting members of a Society assembly constitutes a quorum.

- 7.2 The vote of a majority of the members present at a meeting and entitled to vote at the time of voting, shall be the act of the Society assembly provided a quorum is present.
- 7.3 The Chair of an assembly shall have no vote except if the vote is by secret ballot or unless the Chair's vote can change the outcome of the vote.
- 7.4 A Society assembly may meet and act upon the vote of its members in person, by any means of telecommunications, or by a combination thereof. The normal voting requirements shall apply when action is taken whereby all persons participating in the meeting can hear each other and speak to each other at the same time.
- 7.5 For meetings with in-person and remote participants, remote participants who either cannot hear other participants or are not heard by other meeting participants do not meet the requirements for meeting attendance and, therefore, are not included in quorum calculations or allowed to vote.
- 7.6 Business may be conducted by means other than formally held meetings when the matter can be adequately handled via letter, electronic ballot, electronic mail interchange, etc., and procedures for transacting business in such a manner shall be specified in the Society Policies and Procedures (P&Ps). When transacting business without a meeting, a majority vote (simple or higher, depending on the motion type) of all assembly members eligible to vote is required for actions so taken. Approved motions shall be confirmed promptly in writing or by electronic transmission and recorded in the minutes of the next meeting.
- 7.7 Minutes of a BoG and OpCom meeting shall be distributed to the BoG within 45 and 30 days of the meeting, respectively. A list of motions passed at each BoG and OpCom meeting shall be made available to the BoG within one week of the BoG/OpCom meeting.
- 7.8 Executive sessions shall be conducted according to IEEE Bylaws and Robert's Rules of Order. The Chair may appoint a secretary for taking

minutes of the executive session. Executive session minutes shall be kept on file in a secure location at Society Headquarters.

- 7.9 Members of BoG and OpCom shall receive notice of their regular meetings at least 21 days prior to the scheduled meeting start date.
- 7.10 If a quorum is not present at a duly called Society assembly meeting, the only business that can be transacted and concluded within the meeting is to take measures to obtain a quorum, fix the time to which to adjourn, to adjourn, or to take a recess. Any other business shall be limited to informal discussion upon which no action shall be taken.
- 7.11 Individuals holding more than one voting position on any Society assembly shall be limited to one vote on each matter being considered by the assembly.
- 7.12 Business transacted by Society assemblies at a meeting shall be conducted according to Robert's Rules of Order (latest revision) unless other rules and procedures are specified in the Not-for-Profit Corporation Law of the State of New York, the IEEE Certificate of Incorporation, and applicable IEEE governing documents.
- 7.13 Proxy voting is not allowed.
- 7.14 Society assemblies other than the BoG and OpCom (Councils, Boards, and any Committee) shall hold regular meetings with sufficient frequency to transact Society business with reasonable dispatch.
- 7.15 Society assemblies other than the BoG and OpCom (Councils, Boards, and any Committee) may hold regular or special meetings at the request of the assembly Chair or of a number of voting members equal to the maximum between two voting members and 20% of the assembly voting members. Notice requirements for regular meetings shall be specified in the Society P&Ps. Notice for special meetings, giving the meeting type (in-person or teleconference), attendance details (time and place or dial-in information), the purpose of the meeting, and the names of the assembly members calling the meeting, shall be sent to the assembly not less than 21 days (for in-person meetings) or 2 days (for teleconference meetings) before the date set for the start of the special meeting.
- 7.16 A Management Retreat may be held annually at the discretion of the President.
- 7.17 Assembly members shall adhere to assembly decisions, unless such decisions violate IEEE or Society Constitutions, Bylaws or Policies.
- 7.18 The Ombudsman shall be the first point of contact for reporting a dispute or complaint related to Society activities and/or volunteers. The Ombudsman shall investigate, provide direction to the appropriate IEEE resources if necessary, and/or otherwise help settle these disputes at an appropriate level within the Society. The Nominations & Elections Committee shall nominate two candidates for the position of

Ombudsman who are not currently on the BoG and have not been on the BoG for at least two years. The BoG shall then select one of the two candidates to serve for a two-year term beginning the second year of the President's term. The ombudsman shall report to the BoG.

- 7.19 Constitution, Bylaws, and P&Ps of the Society shall be in accordance with the IEEE Governing documents.
- 7.20 Proposed amendments to Society governing documents requiring BoG or OpCom approval shall be submitted to the Governance Committee for review at least 30 days prior to the BoG/OpCom meeting and, when appropriate, revised based on feedback from the Governance Committee. The Governance Committee shall submit the final version of the motion to the BoG/OpCom at least two weeks prior to the BoG/OpCom meeting. Additional details of this process shall be specified in the BoG/OpCom P&Ps.

Proposed amendments to Society Policies and Procedures that do not require BoG or OpCom approval shall be approved by the appropriate assembly, then reviewed, and revised, if needed, by the Governance Committee prior to their inclusion in the Society Policies and Procedures.

ARTICLE 8 – PROFESSIONAL STAFF

- 8.1 Subject to compliance with all applicable IEEE Bylaws and Policies, the Society may create an Executive Office supported by IEEE staff. The Society's Executive Office functions to coordinate and carry out the day-to-day operations, policies and procedures concerning all aspects of the Society's business. The Office also maintains corporate memory and provides ongoing and ad hoc management reports/documents. In addition, the Society's Executive Office serves as one of the Society's primary points of contact for both members and IEEE staff.
- 8.2 Subject to compliance with all applicable IEEE Bylaws and Policies, the Society may determine the budget for the Executive Office. The staff is hired by the IEEE and all conditions of employment shall be based upon IEEE Bylaws, staff policies and practices and all applicable laws and regulations. Office organization, job descriptions, IEEE staff policies and employment practices are available from the IEEE Human Resources Department.
- 8.3 The Society Executive Director is the most senior position on the IEEE staff that supports the Society, and as such, he/she manages and develops, personally and through subordinate management staff, the paid IEEE staff members that support the Society's operations and activities. The Society Executive Director supports the Society President, officers and volunteer leadership to achieve the Society goals. This Society Executive Director reports through the Managing Director, Technical Activities, to the IEEE Executive Director.

- 8.4 The Society Executive Director serves as BoG/OpCom secretary, assisted by staff members as needed.

ARTICLE 9 – COUNCILS

- 9.1 Councils are chaired by Vice Presidents to address Technical and Educational Activities, Publications, Conferences, Member and Global Activities, and Industry and Standards Activities. Directors of Boards and Chairs of Standing Committees reporting to a Council shall be ex-officio voting members of that Council together with the Council Chair. Additional voting members may be specified in the Council description clause 9.4, and their term shall be concurrent with the nominal term of the President.

Vice Presidents should appoint a Council Vice Chair chosen among the Council voting members and may also appoint additional non-voting members as needed. Councils may approve voting rights for these additional members, with the approval of the BoG.

- 9.2 Council P&Ps are developed by the Council and approved by the BoG.
- 9.3 Councils may be established or dissolved by a two-thirds majority vote of the BoG. The scope, responsibilities, and P&Ps of a new Council shall be defined before incorporating it into the Bylaws.
- 9.4 The following Councils shall be formed:
- 9.4.1 Technical and Educational Activities Council (TEA-C) – This Council is responsible for the educational and technical interests of the Society, encompassing the broad range of communications and communications-related technical areas.
 - 9.4.2 Publications Council (PUB-C) – This Council is responsible for the needs of the Society and Society Members related to print and electronic projects, such as journals, magazines, TC-edited Newsletters and similar publications, and online offerings, not including conference publications.
 - 9.4.3 Conferences Council (CON-C) – This Council is responsible for the needs of the Society and Society Members related to technical conferences, workshops, and professional meetings. Additional voting members of the CON-C shall be the voting members of the Boards reporting to this Council.
 - 9.4.4 Member and Global Activities Council (MGA-C) – This Council is responsible for all Society activities and programs related to members, chapters, membership development, sister and related societies, and Society regions.
 - 9.4.5 Industry and Standards Activities Council (ISA-C) – This Council is responsible for the needs of the Society and Society members related to industry and standards. Additional (non-voting)

members of the Council include the Chairs of any Standards Committee reporting to the Standards Development Board.

ARTICLE 10 – TECHNICAL COMMITTEES AND INDUSTRY COMMUNITIES

10.1 Technical Committees (TCs)

10.1.1 Technical Committees are established to promote technical activities in the fields of interest of the Society and to position ComSoc as the leading technical organization for communication professionals. Technical Committees shall also support Society technical activities in the areas of conferences, publications, standards, education, and history. TCs report to the Technical Committees Board.

Technical Committees shall have at least a Chair, Vice-Chair, and a Secretary and all shall be elected by the TC membership. TC membership shall be defined in the Technical Committees Board P&Ps.

Technical Committees may have Subcommittees and Special Interest Groups (SIGs). Chairs of Subcommittees and SIGs shall be appointed by the TC Chair. Further details on the role and responsibilities of TCs and SIGs shall be specified in the Technical Committees Board P&Ps.

10.1.2 Technical Committees may be created, merged, modified, or dissolved by resolution of the TEA-C, as necessary to ensure the continued relevance and effectiveness of the Society TCs. Proposals to create/merge/modify/dissolve TCs shall be sent to the VP-TEA for consideration and approval by the TEA-C. In the case of proposals for creating new TCs, a petition to the Technical Committees Board by 25 Society members can also be made. Proposals shall include the name, scope, tentative program for the first year, and approximate numbers of interested and potential members.

10.1.3 Technical Committees shall have P&Ps which shall include officer positions and election procedures and they shall conform to the template specified in the Technical Committees Board P&Ps. P&Ps shall be developed by the Technical Committee and approved by the Technical Committees Board.

10.1.4 A change in the scope of a Technical Committee shall require approval of the TEA-C and the BoG.

10.1.5 The Chair of a new Technical Committee is appointed for two years by the Director - Technical Committees with the approval of the VP-TEA. During this period, a mentor is assigned to the Technical Committee by the Director of Technical Committees.

Subsequently, the Chair shall be elected by the members of the Technical Committee.

- 10.1.6 Elections for Technical Committee Chairs are held every two years for a two-year term. A Chair cannot serve more than two consecutive terms of office.

10.2 Industry Communities (ICs)

10.2.1 Industry Communities are established to cover substantial and diverse topical areas of current industry interests and report to the Industry Communities Board (ICB).

10.2.2 Industry Communities may be created, merged, or dissolved by the ICB, as specified in the ICB's P&Ps.

10.2.3 Industry Communities shall develop P&Ps which shall include scope and responsibilities, officer positions, and election procedures. Industry Communities P&Ps shall conform to the template specified in the Society P&Ps and shall be approved by the ICB.

ARTICLE 11 – BOARDS

11.1 Boards are the operational and strategic entities of their respective Councils and are chaired by Directors. Boards shall report to Councils as specified below:

- Conferences Council (CON-C)
 - Conference Development Board
 - Conference Operations Board
- Member and Global Activities Council (MGA-C)
 - Member Services Board
 - Sister & Related Societies Board
 - AP Region Board
 - EMEA Region Board
 - LA Region Board
 - NA Region Board
- Publications Council (PUB-C)
 - Journals Board
 - Magazines Board
 - Online Content Board
- Industry and Standards Activities Council (ISA-C)
 - Industry Outreach Board
 - Standards Development Board
 - Standardization Programs Development Board
 - Industry Communities Board
- Technical and Educational Activities Council (TEA-C)
 - Educational Services Board
 - Technical Committees Board

- 11.2 Directors are responsible for appointing members to their Boards, with the approval of the appropriate Vice President.

Board membership and members' terms shall be defined in the Bylaws, in the Board's description. Unless otherwise specified in the "Board Descriptions," all Board members (ex-officio or not), including the Director, shall be voting members and shall serve two-year terms concurrent with the nominal duration of the presidential term.

In addition to the members specified in the "Board Descriptions" Clause, Directors may appoint additional non-voting members as needed. Boards may approve voting rights for these additional members, with the approval of the VP under which the Board is aligned. Directors should appoint a Board Vice Chair chosen among the Board voting members.

- 11.3 P&Ps for each Board shall be developed by the Board and approved by the Council to which the Board reports. In the case that the Council does not approve the P&Ps and a compromise cannot be found, the Board may request the BoG to resolve the matter and approve the P&Ps. An exception exists for the Standards Development Board P&Ps and those of the Standards Committees reporting to the Standards Development Board which shall be approved by the IEEE-SA Standards Board.

- 11.4 Boards may be established or dissolved by a two-thirds majority vote of the BoG. The scope, responsibilities, and P&Ps of a new Board shall be defined before incorporating it into the Bylaws.

- 11.5 The following Boards shall be formed:

- 11.5.1 Conference Development – This Board is responsible for the strategic planning, technical scope, and growth of all conferences financially sponsored or co-sponsored by ComSoc (namely, Portfolio Conferences).

Members include representatives from the TEA-C and at least four Members-at-Large with at least one having served as the Technical Program Committee Chair and at least one as the General Chair of a major conference.

- 11.5.2 Conference Operations – This Board is responsible for the oversight and management of the operational, publications, and financial aspects of all conferences financially sponsored or co-sponsored by ComSoc (namely, Portfolio Conferences).

Members include the ComSoc Treasurer and at least five Members-at-Large with at least two having served as the General Chair and at least one as the Technical Program Chair of a major ComSoc conference.

- 11.5.3 Educational Services – This Board is responsible for the oversight of all Society education and training activities, including administration of the Society's programs on

continuing education, incorporating tutorials, short courses, lectures, etc. In particular, this Board is responsible for developing and maintaining continuing professional education and training programs, while striking a balance between generating revenue, supporting outreach efforts, and providing services to members.

Members include representatives from the Technical Committees, Conference Development, Conference Operations, Industry Outreach and Member Services Boards, and at least two Members-at-Large.

- 11.5.4 Industry Communities - This Board is responsible for developing and promoting a strategic vision and oversight for organizing and promoting internal ComSoc communities that are attractive to members from industry, government, or other non-academic sectors. This includes processes to assure the quality and value of content in industry-oriented conferences, events, education, and publications. It is within the overall objective and mission of the Industry Communities Board to increase industry membership and participation in ComSoc activities.

Voting members of this Board are the Director and 4-to-6 Members at Large. The Director of this Board shall give priority to the Chairs of Industry Communities to serve as voting members on the Industry Communities Board. Other Industry Community chairs shall be non-voting members of the Industry Communities Board.

- 11.5.5 Industry Outreach – This Board is responsible for assuring a comprehensive and cost-effective outreach program of Society products and services to industry and governmental communities. It is also responsible for developing liaisons with communications and networking related enterprises to promote ComSoc products and services and to attract industry and government leaders into ComSoc’s volunteer community.

Members include a representative from each of the following assemblies: Industry Communities Board, Technical Committees Board, Educational Services Board, PUB-C, CON-C, Standardization Programs Development Board, and MGA-C. In addition, up to four Members-at-Large may be appointed by the Director to represent external industrial and governmental interests.

- 11.5.6 Journals – This Board is responsible for the oversight of Society journals. Board members are the Editors-in-Chief of Society journals for which ComSoc is the Managing Partner and/or has a majority financial stake, and two Members-at-Large, in

addition to the Director. Additional members may be appointed, including Liaison Editors to other IEEE journals.

11.5.7 Magazines – This Board is responsible for the oversight of Society magazines. Board members consist of the Editors-in-Chief of Society magazines and two Members-at-Large, in addition to the Director. Additional members may be appointed, including Liaison Editors to other IEEE magazines.

11.5.8 Member Services – This Board is responsible for the oversight of all services and programs addressed to members and chapters, and oriented to membership retention and development in the four regions. In particular, this Board is responsible for developing and providing individual-level membership services globally.

Members include the four Regional Directors plus one member per Region selected by the Director from a list of candidates, consisting of at least two names per region, submitted by each Regional Director.

11.5.9 Online Content – This Board is responsible for initiating, assessing, and overseeing Society online content. It supports Technical Committee activities; online services; as well as publications, conferences, and education products and services.

Members include representatives from the Conference Development, Conference Operations, Educational Services, Journals, and Magazines Boards; the TEA, MGA, and ISA Councils; the CIO; and up to three additional Members-at-Large.

11.5.10 Regional Boards – These Boards are responsible for stimulating, coordinating, and promoting the activities of ComSoc members and chapters throughout the IEEE regions. The four regions, each with its own Board, are:

- Asia/Pacific (AP)
- Europe, Middle-East & Africa (EMEA)
- Latin America (LA)
- North America (NA)

Each Board shall have a minimum of five members, in addition to the Director.

11.5.11 Sister & Related Societies – This Board is responsible for enhancing Society activities with our sister and related societies (SRS) by developing new programs with SRS and cooperating with SRS in offering Society/SRS products and services globally and strengthening the Society’s global and professional reach. This includes establishing and maintaining Society relationships on an international, regional, national, or local scale with SRS.

Where appropriate, enhancing Society SRS activities shall be accomplished through collaboration with IEEE sections/chapters, including Society and non-Society chapters.

Membership includes up to three representatives from the MGA-C, up to three members from selected Sister and Related Societies, and up to three Members-at-Large.

- 11.5.12 Standardization Programs Development – This Board is responsible for launching pre- and post-standardization technical activities, not restricted to those standards being developed by the IEEE. These would include, but not be limited to Research Groups that lead to the discovery of standardization opportunities and, for completed standards, creation of follow-up programs, such as compliance testing, standards education, workshops, conferences, and publications on technical issues that are relevant to standards.

The Board shall consist of up to eight members in addition to the Director. The Director of the Standardization Programs Development Board serves as the liaison to the IEEE-SA Industry Connections Program.

- 11.5.13 Standards Development – This Board is responsible for the promotion and advancement of communications standards.

In addition to the Director, the number of voting members on this board shall be equal to or less than the number of the Standards Committees created by COM/SDB plus up to five Members-at-Large. The Director shall appoint members to serve giving priority first to the Chairs of the Standards Committees created by COM/SDB and then to ComSoc volunteers with current or recent IEEE standards experience.

The Director shall be the official ComSoc liaison to the IEEE Standards Association Standards Board (SASB).

- 11.5.14 Technical Committees – This Board is responsible for the oversight and promotion of the technical committees of the Society and their activities including the promotion of technical content and the support of technical activities across the Society.

Members include Technical Committee Chairs, Chair of the Emerging Technologies Committee, Chair of the Technical Committees Recertification Committee, and a representative of the Educational Services Board. The GITC Chair shall be a non-voting member of this Board.

ARTICLE 12 – STANDING COMMITTEES

12.1 Standing Committees shall report to the BoG or a Council as specified below:

- Awards BoG
- Fellow Evaluation BoG
- Finance BoG
- Governance BoG
- Marketing Committee BoG
- Nominations & Elections BoG
- Operating (OpCom) BoG
- Operations & Facilities BoG
- Strategic Planning BoG
- Technology Evolution & Initiatives BoG
- GLOBECOM/ICC Management & Strategy CON-C
- GLOBECOM/ICC Technical Content CON-C
 - Women in Communications Engineering MGA-C
 - Young Professionals MGA-C
 - Communications History TEA-C
 - Distinguished Lecturers' Selection TEA-C
 - Emerging Technologies TEA-C
 - Technical Committees Recertification TEA-C

12.2 Standing Committee Chairs shall be responsible for appointing Standing Committee members with the approval of the sitting Society Officer chairing the BoG/Council to which the Standing Committee reports.

Unless otherwise specified in the “Standing Committee descriptions” Clause, all Standing Committee members (ex-officio or not), including the Chair, shall be voting members and shall serve a two-year term concurrent with the nominal duration of the presidential term.

Committee membership and members’ terms shall be defined in the Bylaws, in the Committee’s description. In addition to the voting members specified in the “Standing Committee Descriptions” Clause, Standing Committee Chairs may appoint additional non-voting members as needed. Standing Committees may approve voting rights for these additional members, with the approval of the VP (under which the Committee is aligned) or the BoG (for standing committees reporting to the BoG). Standing Committee Chairs should appoint a Vice Chair chosen among the Standing Committee voting members. For Standing Committees reporting to the BoG, the Chair should also appoint a BoG-liaison to represent the Standing Committee on the BoG; the BoG-liaison

should be chosen among the Standing Committee voting members who are also BoG members.

- 12.3 P&Ps of Standing Committees shall be developed by the Standing Committee and approved by the BoG/Council to which the Standing Committee reports. In the case that a Council does not approve the P&Ps of a Standing Committee and a compromise cannot be found, the Standing Committee may request the BoG to resolve the conflict and approve the P&Ps.
- 12.4 Standing Committees may be established and dissolved by a two-thirds majority vote of the BoG. The scope, responsibilities, and P&Ps shall be defined before incorporating the new Standing Committee into the Bylaws.
- 12.5 The following Standing Committees shall be formed:
 - 12.5.1 Awards – This Committee is responsible for all major awards and recognitions made or proposed by the Society. It consists of not less than twelve (12) members who shall serve for a three-year term. One-third of the members are appointed each year. Committee members may not provide nominations or reference letters while in office, nor participate in deliberations on awards or recognitions for which they may be under consideration.
 - 12.5.2 Communications History – This Committee is responsible for identifying, placing in electronic archives, and raising public awareness through all appropriate means of the most important facts, people, and achievements of communications history, as well as telecommunications milestones in general. The Committee consists of three members who shall serve a three-year term, with one member appointed each year.
 - 12.5.3 Distinguished Lecturers Selection – This Committee is responsible for establishing selection criteria and for the appointment of lecturers. The ex-officio Chair shall be the Vice Chair of the TEA-C. Members of this Committee shall be the VP-TEA, VP-MGA, the Director-Member Services, and the Chair of the Emerging Technologies Committee.
 - 12.5.4 Emerging Technologies – This Committee is responsible for identifying, describing, and nurturing new technology directions, recommending new programs, and nurturing potential Technical Committees for formal proposal to the VP-TEA. This Committee shall collaborate with the Technical Committees in promoting technical activities in support of academia and industry in the areas of the Society's Emerging Technology Initiatives.

The Chair shall be chosen among the members of the Strategic Planning Committee with the recommendation of the VP-TEA-Elect, as specified in Clause 3.3.2. Standing Committee members shall include at least one more member from the Strategic Planning Committee. The Committee shall have six members appointed for three-year terms with one-third appointed each year. In addition, the Editor-in-Chief of *IEEE Communications Magazine* and the Editor-in-Chief of *IEEE Journal of Selected Areas in Communications* are ex-officio voting members of the Committee.

12.5.5 Fellow Evaluation – This Committee is responsible for the Society's technical evaluation of Fellow nominations being considered by the IEEE Fellow Committee. It consists of a Chair and 18 members and all are voting members. The Chair shall serve a term of two years, concurrent with the nominal term of the President, and the Committee members shall serve three-year terms with one-third of the members being appointed each year. Non-voting members shall not be appointed to the committee. The Chair and committee members shall be IEEE Fellows and Members of the Society.

- The Chair and the Vice Chair (if any) shall be appointed by the BoG upon recommendation of the President-Elect. The ComSoc FEC Chair should preferentially be selected among current or recent committee members. Eligibility criteria for members of the ComSoc FEC are specified in the Operations Manual of the IEEE Fellow Committee.
- Committee members shall be appointed by the Chair with the concurrence of the President. In appointing voting members, due attention should be given to ensuring broad diversity with respect to factors such as technical field of expertise, geographic location, professional affiliation, gender, and nomination category under which the members were elevated to Fellow grade.
- As specified in the Operations Manual of the IEEE Fellow Committee, the Chair shall not serve for more than two consecutive years and members (including Vice Chairs, if any) shall not serve for more than three consecutive years. Any member shall not serve for more than five consecutive years, regardless of the position held.
- As specified in the Operations Manual of the IEEE Fellow Committee, by January 31st of each year, the President shall inform the IEEE Fellow Committee Chair, Vice Chair, and the Fellow Activities Staff of: (a) the name of the ComSoc FEC Chair, and (b) the complete roster of the ComSoc FEC.

- 12.5.6 Finance – This Committee is responsible for facilitating the Society's budget process and for managing and providing direction in all aspects of Society financial matters. The Committee meets twice a year at ICC/GLOBECOM. The ex-officio Chair shall be the Society Treasurer. Committee members shall be: the President, Past President or President-Elect, Vice Presidents, CIO, and a representative from each Member-at-Large class. The President, upon recommendation of the Treasurer, may appoint up to two additional voting members, who shall be ComSoc Members and shall not be sitting members of the BoG. The additional members shall serve three-year staggered terms with one reappointment allowed. The Society Executive Director shall be an ex-officio non-voting member of the Committee.
- 12.5.7 GLOBECOM/ICC Management and Strategy (GIMS) – This Committee is responsible for the successful conduct, strategic evolution, and policies of the IEEE Global Communications Conference (GLOBECOM) and the IEEE International Conference on Communications (ICC). Members of the GIMS Committee shall be the Chair, three Members-at-Large, three past members of an ICC or GLOBECOM Organizing Committee, and the GITC Committee Chair.
- 12.5.8 GLOBECOM/ICC Technical Content (GITC) – This Committee is responsible for providing strategic vision and management of the technical content of GLOBECOM and ICC to guarantee timeliness and the highest level of technical content quality.
- The GITC Chair shall be appointed as in Clause 3.3.2, and in consultation with both the VP-CON-Elect and the VP-TEA-Elect. GITC members shall be appointed by the GITC Chair in consultation with the VP-CON and the VP-TEA. GITC members shall be: the Chair, two Members-at-Large, three past ICC or GLOBECOM Technical Program Chairs, and the GIMS Committee Chair. The Director of Technical Committees shall be an ex-officio non-voting GITC member. The GITC Vice-Chair shall be appointed from among the voting members by the GITC Chair in consultation with the VP-CON and the VP-TEA.
- 12.5.9 Governance – This Committee is responsible for all matters related to Society Governance, including but not limited to: reviewing any proposed amendment to Society governing documents (Constitution, Bylaws, P&Ps) prior to discussion in the BoG; crafting amendments to Society governing documents that result from actions of the BoG; establishing Society-wide Governance best practices and overseeing their application across all Councils, Boards, and Committees; upon request or when needed proposing changes to existing Society governing documents with the goal of keeping them current and

consistent; and serving as an interpretive Committee on Governance issues.

Committee membership: Chair (appointed by the BoG upon recommendation of the President for terms beginning in odd-numbered years or upon recommendation of the President-Elect for terms beginning in even-numbered years), the Society Parliamentarian, and up to three additional members appointed by the President upon recommendation of the Committee Chair and shall include one previous ComSoc President and one sitting BoG Member at Large. The Committee Chair may appoint up to three additional voting Committee members. The Chair and Committee members (except the Parliamentarian) shall serve three-year terms with one reappointment allowed.

Terms of all members (except the Parliamentarian) shall be staggered so that no more than half of the members' terms expire every two years; when necessary, such staggering shall be created by appointing members to terms shorter than three years, as indicated at the time of their appointment.

- 12.5.10 Marketing – This Committee oversees ComSoc's marketing programs and is chaired by the Chief Marketing Officer. The Marketing Standing Committee works in collaboration with the Marketing staff for strategizing, planning and implementing the BoG-approved marketing plan. Responsibilities include exploration and adoption of emerging digital media; use of social platforms; the ComSoc website; creation, communication, and implementation of a strategic roadmap for innovative marketing; and related 3rd party efforts.

Committee membership is as follows: Chief Marketing Officer (Chair), one representative from each of the five Councils, and 6 Members-at-Large. The ComSoc Staff Marketing Director is an ex-officio non-voting member of the Committee. At the Chair's discretion, a Vice Chair may be appointed from amongst the committee members.

- 12.5.11 Nominations & Elections – This Committee is responsible for recommending to the BoG candidates to fill elected Society office positions, and for the development, implementation, and supervision of election procedures. For each position, there shall be documentation attesting that an earnest effort was made to identify a diverse set of qualified candidates and that no discrimination was made pursuant to IEEE Policy 9.2.6. Meetings of this Committee shall always be held in Executive Session.

The Committee shall consist of the following members:

- Committee Chair (ex-officio) – Shall be the Past Past President, who shall serve for a two-year term and shall take office as Chair immediately after the nominal term of Past President has ended (the beginning of an odd-numbered year). In the event of the incapacity or conflict of interest of the Chair, the most recent Past Chair of the Nominations & Elections Committee available shall be the Chair. With extenuating circumstances, a different individual may be appointed to this position with the approval of the BoG.
- Nine Members-at-Large – Each shall be a voting member appointed by the BoG, upon recommendation of the President and the NEC Chair, for a three-year term with one-third of the members appointed each year. At least one annual appointee shall not be a member of the BoG.

The Chair shall not be eligible to be elected to the BoG during the Chair's term of service. A Committee member may be nominated for a position only if (i) the nomination is not made by a member of the Committee, and (ii) the member resigns from the Committee prior to its first meeting of the year in which the nomination shall be made.

Individual voting members eligible to vote in an election may nominate candidates by written petition, provided such nominations are made at least 28 days before the date of the election. The number of signatures required for a petition candidate to appear on a ComSoc ballot shall be equal to what is set in the IEEE Bylaws as follows: For all positions where the electorate is less than 30,000 voting members, signatures shall be required from 2% of the eligible voters. For all positions where the electorate is more than 30,000 voting members, 600 signatures of eligible voters plus 1% of the difference between the number of eligible voters and 30,000 shall be required.

The Nominating Committee for the IEEE Division III Director shall be a separate Committee and shall operate as specified in the TAB Operations Manual.

- 12.5.12 OpCom – Between BoG meetings, OpCom conducts business on behalf of the BoG and is comprised of a subset of the BoG members. OpCom approved actions shall become effective immediately if within the scope of the delegations assigned by the BoG to OpCom. Actions not within such delegation shall be submitted to the BoG for approval in the consent agenda or for further consideration at its next meeting.

Members of the Committee shall be the President, President-Elect (odd-numbered years), immediate Past President (even-

numbered years), Vice Presidents, three BoG Members-at-Large (each year, the President shall appoint one BoG MaL for a 3-year term chosen among the first-year MaLs), and the IEEE Division III Delegate/Director. Non-voting members of the Committee shall be the Chief Information Officer, Chief Marketing Officer, Treasurer, Society Parliamentarian, and the Society Executive Director.

12.5.13 Operations & Facilities – This Committee is responsible for supporting the President in making recommendations to the BoG on operations, facilities, and related capital expenses. The President is the ex-officio Chair. Members shall serve for the nominal duration of the President’s term and shall include:

- CIO
- Treasurer
- Four members appointed by the President from among volunteer BoG officers
- One member appointed by the President from among volunteers who are not on the BoG

The Society Executive Director is an ex-officio non-voting member of this Committee. The Committee may approve the participation of invited experts as required by the agenda items.

12.5.14 Strategic Planning – This Committee is responsible for preparing a long-term strategic plan to guide the direction and future of the Society and for preparing short-term plans to direct specific areas, as appropriate.

Members of the Committee shall be the Chair, the Vice Presidents (or a representative named by the VP), and eight Members-at-Large all appointed by the President upon recommendation of the Committee Chair. The Members-at-Large will serve two-year staggered terms. Each year, at least one of the appointees shall be a Young Professional as defined by IEEE.

12.5.15 Technical Committees Recertification – This Committee recommends the establishment of new Technical Committees and reviews current Technical Committees to determine whether they are fulfilling their responsibilities.

The VP-TEA is the ex-officio Chair. Committee members shall include the TEA-C Vice Chair and six members appointed by the Chair for a three-year term. One-third of the members are appointed each year by the Chair from among Members-at-Large of the BoG. Committee members who are also officers of Technical Committees under review shall excuse themselves from deliberations related to their Technical Committee.

- 12.5.16 Technology Evolution & Initiatives - This Committee is responsible for the oversight and management of ComSoc's involvement in external initiatives, i.e. those originated from IEEE-level or multi-Society initiatives (e.g., Multi-Society Technical Groups, IEEE Technical Communities, IEEE TAB Future Directions Committee, IEEE New Initiatives Committee, and all IEEE OUs). The Committee shall ensure that ComSoc's involvement is timely, relevant, within ComSoc's field of interest, cost effective, and compatible with the evolution of ComSoc and IEEE. The Committee shall recommend to the BoG when to terminate existing initiatives, revise existing initiative MoUs, and join/launch new initiatives.

The Committee shall also monitor ComSoc's internal initiatives, identifying gaps and opportunities, and recommending to Councils and the BoG (a) improvements of existing initiatives and (b) new initiative projects and programs consistent with ComSoc's vision, mission, and Strategic Plan.

Members of the Committee shall consist of three Members-at-Large (MALs) serving three-year staggered terms. MALs may serve a maximum of two terms. Other voting members are the Past Chair of the Committee, the Chair of the Emerging Technologies Committee, the Chair of the Strategic Planning Committee, the VP-TEA, and the Chairs or ComSoc representatives of IEEE-level or multi-Society Initiatives in which ComSoc has more than a 1/6th financial share of the ownership.

- 12.5.16 Women in Communications Engineering – This Committee is responsible for encouraging the participation and membership of women communications engineers in the Society. The Committee shall meet at least once a year at ICC or GLOBECOM and shall provide an annual written report to the Society President, Vice Presidents, and Technical Committee Chairs prior to each ICC.

Committee membership is as follows: Chair, Vice-Chair, Publicity Chair, Secretary, IEEE Women in Engineering Committee (WIEC) Society Coordinator, Awards sub-committee Member-at-Large, and up to five Members-at-Large.

- 12.5.17 Young Professionals – This Committee is responsible for encouraging Young Professionals (as defined by IEEE) to become Communications Society members and to participate in its activities. It will do this through developing programs and initiatives attractive to Young Professionals, empowering them to make valuable contributions to the Society and entire IEEE organization, giving them a voice in Society direction, and by preparing them for future leadership roles. Membership of this

Committee is the Chair, 5 Members-at-Large who are Young Professionals, and 1 Member-at-Large who is not a Young Professional.

ARTICLE 13 – AD HOC COMMITTEES

- 13.1 Ad Hoc Committees may be established by the President in consultation with the BoG to address broad technical or operational issues within the Society or IEEE. The scope, responsibilities, and P&Ps of an Ad Hoc Committee shall be defined upon establishment. Ad Hoc Committees report to the BoG.
- 13.2 Ad Hoc Committee Chairs and members shall be appointed by the President. Upon establishment, the President shall report to the BoG the composition, mission, and expiration date of the Ad Hoc Committee.
- 13.3 OpCom shall review all Ad Hoc Committees annually and recommend to the BoG whether they should continue, disband, or be elevated to Standing Committees.
- 13.4 Ad Hoc Committees shall automatically expire at the conclusion of their duration or at the end of each President's term or by resolution of the President or the BoG, whichever comes first. The President may reestablish an expired Ad Hoc Committee in consultation with the BoG.

ARTICLE 14 – SOCIETY REPRESENTATIVES

- 14.1 Society representatives to other IEEE Organizational Units or non-IEEE organizations are responsible for representing Society interests. They are appointed by the President for terms as required by the other organizations, in consultation with the appropriate Vice President.

ARTICLE 15 – BUDGET AND FINANCE

- 15.1 Officers shall prepare budgets for the coming calendar year in the first half of each year for initial approval by the BoG at its BoG1 meeting, and for final approval at the Special BoG meeting (if needed, as specified in the Finance P&Ps). Actuals shall be reviewed throughout the year, and a forecast reported at each meeting.
- 15.2 Dues and fees are set by the BoG in accordance with IEEE and Society guidelines and are based upon proposals by the Treasurer to the BoG. Billing and receipt of annual dues are part of the IEEE dues billing process.
- 15.3 Budget
 - 15.3.1 Each year the Society produces a budget which shall be approved by the BoG.
 - 15.3.2 The Treasurer is responsible for the development of the Society annual budget and submitting to IEEE Technical Activities for consolidation with other societies, and ultimately to the IEEE for

their consolidated budget. The Treasurer monitors revenues and expenses, providing interim reports on budgets, forecast, actuals at each BoG and OpCom meeting. A complete financial report, including actual versus budget, net assets, and reserves is presented by the Treasurer annually.

15.4 Finance

- 15.4.1 The Treasurer has oversight responsibility for all Society financial matters.
- 15.4.2 The Treasurer, or Society Executive Director, or their designee shall follow orderly procedures for disbursement of funds, providing sufficient checks and balances and appropriate record keeping. A budgeted expenditure requires no further approval beyond approval of the Treasurer.
- 15.4.3 The Treasurer shall periodically review the Society finances and recommend adjustments needed to insure financial stability of the Society.
- 15.4.4 The Treasurer shall cooperate with Society and IEEE officials to accomplish financial audits when requested. The results of these audits shall be presented to the BoG.

IEEE COMMUNICATIONS SOCIETY

OVERVIEW

The **IEEE Communications Society (ComSoc)** is a diverse group of industry professionals with a common interest in advancing all communications technologies. Individuals within this unique community interact across international and technological borders to:

- produce publications
- organize conferences
- foster educational programs
- promote local activities
- work on technical committees
- support industry standards

The foundation of the IEEE and its societies' structure was due in great part to the activity of members in the communications field: The American Institute of Electrical Engineers (AIEE) founded in 1884, to advance electrical power technologies and the Institute of Radio Engineers (IRE) founded in 1912, to explore expanding radio and communications technology. These merged in 1963 to form The Institute of Electrical and Electronics Engineers, Inc. (IEEE).

The Communications Society began with the formation of the IRE's Professional Group on Communications Systems (PCCS) in 1952.

In the past sixty years, ComSoc has increased its membership from 8,800 (when it began operations as an independent Society of the IEEE) to over 26,000 paid members today. The Society has become the premier international forum for the exchange of ideas on communications technologies and information networking, including, wireless technology, the Internet, and optical systems.

The volunteer members of the Society shape the course of ComSoc, its publications, technical activities and conferences. The Society's strength comes from the vision and dedication of its members and Staff.

A Brief History of Communications, originally published in 2002 to commemorate the Society's 50th anniversary, was revised and updated as a 2nd Edition in 2012. The content captures the major communications technology events of the 20th and 21st centuries; provides interviews of leaders, and gives a brief overview of Society history. Digital or print copies of the 2nd Edition are available by sending a request to society@comsoc.org.

Membership Demographics

Where Members Live

Membership growth has been strong in the USA (Regions 1-6), Canada (Region 7), Europe/Middle East/Africa (Region 8), Latin America (Region 9), and the Asia/Pacific (Region 10) have all seen increasingly significant growth.

Global Membership

38.04 %	USA	165 Sections
3.97 %	Canada	21 Sections
23.32 %	EMEA	60 Sections
4.01 %	Latin/America	35 Sections
30.9 %	Asia/Pacific	60 Sections

Where Members Work

With many members involved with private industry, ComSoc is well positioned to cover emerging product and service innovations. While its important membership segment in academia, it provides the theoretical foundations for future development.

8.77 %	Academia
1.54 %	Government
12.25 %	Industry
6.36 %	Retired
77.44 %	Unspecified

Conferences

Every year, the IEEE Communications Society sponsors major conferences that attract hundreds of the best quality paper/presentation submissions and attendees. Held at convenient locations around the world, these meetings attract thousands of participants who have much to share beyond their strong desire to learn. Communications Society conferences and workshops provide ideal opportunities to be a part of the latest technological developments and to network with the leaders who are changing the world of communications.

Publications

From magazines to journals to online access and digital editions, the IEEE Communications Society produces the world's most cited publications in communications technology and science. Some are free with membership and all publications are available online. Visit the ComSoc web site and Digital Library at www.comsoc.org for submission instructions, subscription information, and more details.

Citations

IEEE Communication Society publications earned some of the highest ratings among telecommunications journals and magazines in a recent ISI® "Journal Citation Report." ComSoc publications occupied 8 of the top 10 places for impact factor:

1. *IEEE Transactions on Wireless Communications*
2. *IEEE Communications Magazine*
3. *IEEE IEEE/ACM Journal of Lightwave Technology*
4. *IEEE Journal on Selected Areas in Communications*
5. *IEEE Communications Surveys and Tutorials*
6. *IEEE Transactions on Mobile Computing*
7. *IEEE Transactions on Wireless Communications*
8. *IEEE Network Magazine*

Impact factor measures how often the "average article" in a journal has been cited. It is calculated by dividing the number of current year citations by the source items published in that journal during the previous two years.

IEEE Communications Magazine: Considered by many members to be our most important member benefit, it provides the latest information on all communications technologies. Such as, Lightwave Systems, Broadband Communications, Multimedia Services, and Wireless Networks. With monthly digital delivery service, issues are delivered to readers as soon as they are published.

In addition to its in-depth technical articles, the magazine also offers other important content, including:

The Global Communications Newsletter: A monthly feature containing articles about worldwide events related to communications and Society activities.

Optical Communications: A series dedicated to fiber optics technology.

Radio Communications: A series presenting in-depth, cutting-edge tutorials, emphasizing state of the art design solutions; involving physical and other lower layer issues in radio communications.

Green Communications & Computing Networks: A semi-annual series that is a premier forum across academia and industry. This is to address all important issues relevant to green communications.

Network Testing & Analytics: A series that covers the testing of network design and implementation; analytics solutions that can help improve infrastructure & operations.

Ad Hoc and Sensor Networks: A periodic Series that explores in depth the concept of ad hoc and sensor networking; highlighting the recent research achievements in the field.

Automotive Networking: This series, published twice a year, covers the growing importance in vehicle-to-vehicle (V2V) and vehicle-to-infrastructure (V2I) communications.

Consumer Communications and Networking: This series covers emerging technologies in the areas of home entertainment, high-quality visual communication, massive multi-player gaming, and personal body-area and sensor networking.

Design and Implementation: This series publishes articles that provide practical knowledge for creating products and services, while retaining the academically rigorous style and structure typical of Communications Magazine articles.

Network and Service Management: This series publishes articles on the latest developments in this well-established and thriving discipline and highlighting recent research achievements.

IEEE Network: The Magazine of Global Internetworking has technical co-sponsorship support from the IEEE Computer Society and Internet Society. This bimonthly magazine covers all aspects of computer communications.

IEEE Wireless Communications: A bimonthly magazine which covers technical and policy issues relating to personal location-independent communications in all media and at all protocol layers.

IEEE Communications Standards Magazine: Intended to be a platform for presenting and discussing a broad variety of standards-related topics in the area of communications.

IEEE Transactions on Communications: Is regarded as “the source” for breakthrough communications theories and practical applications. Each month, this world renowned scholarly journal, covers all aspects of communications from telephony to communication theory.

IEEE Journal on Selected Areas in Communications: Is designed for leading edge communications researchers. This scholarly issues, focuses in-depth attention on critical aspects of one specific communications topic(s); from electromagnetic propagation to multimedia communications; from components to systems.

IEEE Communications Surveys & Tutorials: An all-electronic publication, offers a continuously available source of peer-reviewed, comprehensive, leading-edge surveys covering all active areas of communications. All ComSoc members and IEEE members have free access to this online publication.

IEEE/ACM Transactions on Networking: A bimonthly archival journal, reflects the multi-disciplinary nature of communications networks and is sponsored by the IEEE Communications Society, the IEEE Computer Society, and the Association for Computing Machinery (ACM).

IEEE Transactions on Wireless Communications: Co-sponsored by the IEEE Signal Processing Society, this journal focuses on high-quality, peer-reviewed, original papers. Such, advance the state-of-the art and applications of wireless communications; including, theoretical contributions such as new techniques, concepts and analyses. Also, practical contributions such as system experiments and prototypes, and new monthly applications.

Transactions on Network and Service Management (TNSM): Offers timely electronic presentation of archival research on the management of networks, systems, services and applications. As well as, on issues in communications software, service engineering, policies, and business processes for network and service management. Online access only.

IEEE Wireless Communications Letters: A bimonthly journal which publishes shorter-high-quality manuscripts on advances in the state-of-the-art of wireless communications.

IEEE Transactions on Green Communications and Networking: Publishes high-quality, original, and timely papers that cover the subject of energy efficiency and sustainability for communication systems and networks.

IEEE Transactions on Cognitive Communications and Networking: Publishes high-quality manuscripts that advance the state-of-the-art of cognitive communications and networking research.

IEEE Transactions on Molecular, Biological, and Multi-Scale Communications: Devoted to the principles, design, and analysis of communication systems that use physics beyond conventional electromagnetism and particularly for small-scale and multi-scale applications.

IEEE Transactions on Mobile Computing: A bi-monthly journal co-sponsored with the Computer Society; publishes archival research results related to mobility of users, systems, data, and computing. As well as, issues in information organization and access, services, management, and applications.

IEEE Transactions on Multimedia: Captures the seminal work in this rapidly growing field and integrates all aspects of multimedia systems and technology, signal processing, and applications.

IEEE/OSA Journal of Lightwave Technology: Is the premier source of current information on all aspects of optical guided-wave science, technology, and engineering. This monthly journal publishes peer-reviewed original contributions and special issues; invites tutorial and review papers from world experts. All ComSoc members have full online access to JLT.

IEEE/OSA Journal of Optical Communications and Networking: Publishes both theoretical and practical contributions that advance the state-of-the-art in optical communications and networking research.

Green Communications & Computing Networks: A semi-annual series that is a premier forum across academia and industry; to address all important issues relevant to green communications.

Network Testing & Analytics: A series that covers the testing of network design and implementation; analytics solutions that can help improve infrastructure and operations.

Technically Co-Sponsored Publications

IEEE Communications Society cooperates with technical co-sponsorship with several IEEE publications, including the following:

IEEE Transactions on Information Forensics and Security

IEEE Reviews in Biomedical Engineering

IEEE Transactions on Cloud Computing

IEEE Transactions on Computational Intelligence and AI in Games

IEEE Transactions on Consumer Electronics

IEEE Internet Computing Magazine

IEEE Multimedia Magazine

IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing

IEEE Transactions on Smart Grid

China Communications

IEEE/KICS Journal of Communications & Networks

IEEE Transactions on Applied Superconductivity

IEEE Internet of Things Journal

Publications Contents Digest: Offers linked Tables of Contents of all Communications Society periodicals. Monthly online delivery to ComSoc members.

IEEE ComSoc Technology News (CTN): Is an online publication and periodically provides summaries of interesting, timely, newsworthy papers, and articles from ComSoc and IEEE publications.

Best Readings: Offers a collection of books, articles, and papers on a featured topic.

IEEE Wireless Communications Professional: A bi-monthly newsletter and is a free service for those interested in wireless industry issues and IEEE Wireless Communication Engineering Technologies (WCET) Certification.

IEEE Communications Society publications are available online. See the publications area or the ComSoc Digital Library within the ComSoc web site at www.comsoc.org, or the IEEE web site at www.ieee.org.

ComSoc Digital Library (A Million Dollar Library of Communications Technology Content)

Expanded coverage – almost 50% more content available. Over 140,000 papers

The **ComSoc Digital Library, powered by IEEE Xplore**, provides online access to 13 IEEE Communications Society periodicals and over 35 ComSoc sponsored or co-sponsored conference proceedings. As a member of the Communications Society or IEEE, one can select between ComSocDL (access to current content plus the prior 3 years and almost 50K papers!) or ComSoc DL Plus. (All legacy content from 1953 forward and almost 140K papers!)

Who should subscribe to the Communications Society Digital Library?

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For more information, please visit our website at: <http://www.comsoc.org/dl>



IEEE WCET is a certification program and an examination that reflects the realities of what wireless professionals need to know and be able to perform on the job.

WCET certification provides a credential in the areas most valued by employers. A company that hires, promotes, or assigns a WCET certificant to a task within the purview of the certification can do so with confidence that the individual possesses the essential knowledge associated with performing that task. The program is overseen by the ComSoc Educational Services Board. Members of this board guide future certification examinations to ensure that the most current technologies, up-to-date procedures, and latest regulations and customer needs are part of the examination and, therefore, part of the certified knowledge and skills. ComSoc is committed to keep WCET current and valuable to both individuals and employers



For IEEE WCET in Japan, please contact the MCPC (Mobile Computing Promotion Consortium): www.mcpc-jp.org

For testing window dates, please go to:
www.ieee-wcet.org/apply



A free IEEE WCET Candidate's Handbook provides all the details for your WCET certification preparation. Practice exam, Training, Online Tutorials and WEBOK are also available. Visit www.ieee-wcet.org for the latest updates.

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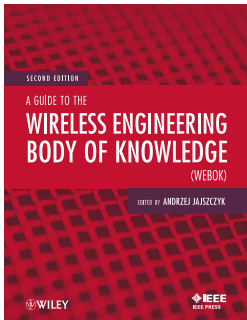
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IEEE ComSoc Webinars
Sponsored webinars, with audio/slide show downstream and text (for Q&A) upstream, focus on technologies, systems, products and services of current interest to both sponsors and technical/business audiences. Typically webinars run for 1 hour and cover 1 to 4 presentations and are free to the viewing audience.

For recent webinars and more information, please visit www.comsoc.org/webinars.

Guide to the Wireless Engineering Body of Knowledge 2nd Edition (WEBOK)

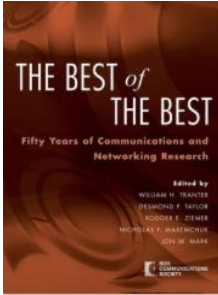


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	online	\$855	\$123	\$61
	both	\$1,224	\$219	\$110
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	online	\$655	\$47	\$24
	both	\$1,025	\$98	\$49
<i>IEEE Wireless Communications Magazine</i>	print	\$895	N/A	N/A
	online	\$740	\$47	\$24
	both	\$1,136	\$98	\$49
<i>IEEE Communications Letters</i>	online	\$750	\$47	\$24
<i>IEEE Transactions on Communications</i>	print	\$2,467	N/A	N/A
	online	\$2,025	\$53	\$27
	both	\$3,173	\$140	\$70
<i>IEEE Journal on Selected Areas in Communications</i>	print	\$2,296	N/A	N/A
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<i>IEEE Communications Surveys and Tutorials</i>	online	\$739	Included	Included
<i>IEEE Transactions on Network & Service Management</i>	online only	\$366	\$39	\$20
<i>IEEE Wireless Communications Letters</i>	online only	\$560	-	-
<i>IEEE/OSA Journal of Lightwave Technology</i>	print	\$2,910	-	-
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	online	\$2,385	-	-
	both	\$3,425	N/A	N/A
<i>IEEE Transactions on Wireless Communications</i>	print	\$2,230	-	-
	online	\$1,940	-	-
	both	\$2,790	-	-
<i>Communications Society Digital Library</i>	online	N/A	\$178	\$89
<i>Communications Society Digital Library Plus</i>	online	N/A	\$277	\$139
<i>IEEE Communications Library</i>	online	\$27,995	N/A	N/A

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