Byeong Gi Lee                  President
Vijay Bhargava                President-Elect
Nim Cheung                   IEEE Division III Director
Doug Zuckerman               IEEE Division III Director Elect
/Parliamentarian
Alex Gelman                  Chief Information Officer (CIO)
Harvey Freeman               Treasurer
Jack Howell                  Executive Director

VICE PRESIDENTS
Mark Karol                    Technical Activities
Khaled Letaief               Conferences
Sergio Benedetto            Member Relations
Len Cimini                   Publications

DIRECTORS
Larry Greenstein            Journals
Andrzej Jajszczyk          Magazines
Heinrich Stuttgen           Conference Development
Merrily Hartmann            Conference Operations
Zhisheng Niu                 Conference Publications
Stefano Bregni              Education
James Hong                     Online Content
Stan Moyer                   Marketing & Industry Relations
Shri Goyal                   Membership Programs Development
Naoaki Yamanaka            Asia/Pacific Region
Tariq Durrani                Europe, Middle-East & Africa Region
Jose-David Cely            Latin America Region
Gabe Jakobson                North America Region
Roberto Saracco             Sister & Related Societies
Curtis Siller              Standards

MEMBERS-AT-LARGE
Joe Evans                      Rob Fish
Nelson Fonseca                Michele Zorzi
Stefano Bregni                Vincent Chan
Iwao Sasase                   Sarah Kate Wilson
Gerhard Fettweis              Bob Shapiro
Moe Win                        Stefano Galli
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BOARD OF GOVERNORS

ELECTED OFFICERS 2010-2011 (Voting)

President ......................................................... Byeong Gi Lee*
President-Elect ................................................ Vijay Bhargava*
Vice President - Technical Activities ......................... Mark Karol*
Vice President - Conferences ................................ Khaled B. Letaief*
Vice President - Member Relations ....................... Sergio Benedetto*
Vice President - Publications ............................... Len Cimini*

APPOINTED OFFICERS 2010-2011 (Non Voting)

Treasurer ........................................................... Harvey Freeman*
Parliamentarian .............................................. Doug Zuckerman*
Chief Information Officer (CIO) .............................. Alex Gelman
Director - Journals ........................................... Larry Greenstein
Director - Magazines ......................................... Andrzej Jajszczyk
Director – Conference Development ........................ Heinrich Stuttgen
Director – Conference Operations ..................... Merrily Hartmann
Director – Conference Publications ................... Zhisheng Niu
Director - Education ............................................ Stefano Bregni
Director - Online Content ..................................... James Hong
Director - Marketing & Industry Relations ............. Stan Moyer
Director - Asia/Pacific Region ............................. Naoki Yamanaka
Director - Europe, Middle-East & Africa Region ........ Tariq Durrani
Director - Latin America Region ......................... Jose-David Cely
Director - North America Region ......................... Gabe Jakobson
Director - Sister & Related Societies ..................... Roberto Saracco
Director - Standards ........................................... Curtis Siller
Executive Director ............................................. Jack Howell*
Recording Secretary ........................................... Carole Swaim

MEMBERS-AT-LARGE (Elected - Voting)

Gerhard Fettweis* Stefano Bregni Joe Evans
Stefano Galli Vincent Chan Rob Fish*
Bob Shapiro Iwao Sasase* Nelson Fonseca
Moe Win Sarah Kate Wilson Michele Zorzi

IEEE DIVISION III (Elected - Voting)

Director ............................................................. Nim Cheung
Director-Elect ....................................................... Doug Zuckerman

* Operating Committee (OpCom) attendees, Directors, Division III Directors, and CIO attend each meeting as determined by President.
TECHNICAL ACTIVITIES

Vice President ............................................. Mark Karol
Staff ............................................................. Carole Swaim

TECHNICAL ACTIVITIES COUNCIL

Chair ............................................................. Mark Karol
Vice Chair ...................................................... Mehmet Ulema

Technical Committee Chairs

Ad Hoc & Sensor Communications & Networks .... Hossam Hassanein
Cognitive Networks ........................................... Honggang Zhang
Communications & Information Security .......... Hsiao-Hwa Chen
Communications Quality & Reliability .............. Hiromi Ueda
Communications Software ................................. Abdelhamid Mellouk
Communications Switching & Routing .............. Abbas Jamalipour
Communications Systems Integration & Modeling ... Charalabos Skianis
Communication Theory ..................................... Robert Heath
Computer Communications ............................... Joe Touch
Data Storage ..................................................... Tiffany Jing Li
e-Health ......................................................... Tsong-Ho Wu
High-Speed Networking .................................... Ashwin Gumaste
Information Infrastructure & Networking .......... TBD
Internet ............................................................ Deep Medhi
Multimedia Communications .............................. Haohong Wang
Network Operations & Management .................. Marcus Brunner
Optical Networking .......................................... Byrav Ramamurthy
Power Line Communications ............................. Lutz Lampe
Radio Communications .................................... Davide Dardari
Satellite & Space Communications ..................... Nei Kato
Signal Processing & Communications Electronics .... Hung Nguyen
Tactical Communications & Operations .............. Ken Young
Transmission, Access & Optical Systems .......... Tarek El-Bawab
Wireless Communications ................................. Xuemin (Sherman) Shen
Boards & Standing Committee Chairs in TAC

Standing Committees

Awards ................................................................. Vincent Poor
Communications History ................................. Steve Weinstein
Distinguished Lecturers Selection ................... Mehmet Ulema
Emerging Technologies ................................. Naohisa Ohta
Fellow Evaluation ........................................... T. Russell Hsing
GLOBECOM/ICC Technical Content .................. Hikmet Sari
Technical Committees Recertification ................ Mark Karol

Education Board

Chair ............................................................... Stefano Bregni
Staff ............................................................... John Pape
Members at Large (appointed by Chair)
Mike Devetsikiotis Celia Desmond Gustavo Giannattasio
Fabrizio Granelli Abbas Jamalipour John Thompson
Conference Development .................. Heinrich Stüttgen
Conference Operations ....................... Merrily Hartmann
Conference Publications ..................... Zhisheng Niu
Membership Programs Development ........... Shri Goyal
IEEE Activities Board ............................ Harvey Freeman

Working Group #1: WCET-Related Activities
Co-chairs: ........................................... Celia Desmond, Gustavo Giannattasio
WG Members ................................. Xavier Fernando, Marjorie Pearson

Working Group #2
Chair ............................................................ Mike Devetsikiotis
WG Members
Hamid Asgari Albert Banchs Stefanos Gritzalis
Charalambos Skianis Athanasios Skodras Rahim Tafazolli
Toshinori Tsuboi

Standards Board

Chair ............................................................... Curtis Siller
Vice Chair .......................................................... Alex Gelman
Secretary .......................................................... Rob Fish
Advisor ............................................................. Steve Mills
Staff ............................................................... Carole Swaim
Members (appointed by Chair)
John Barr Nada Golmie James Hoffmeyer
Sean Moore Stan Moyer Jerry Peterson
TC Liaisons
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 its technical committees. These committees - networks of professionals with common interests in communications - 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 ......................................................... Hossam Hassanein
Vice Chair ..................................................... Azzedine Boukerche
Secretary ......................................................... Nei Kato
Standards Liaison ............................................. Nirwan Ansari

This committee serves as ComSoc’s focal point in the area of wireless ad hoc and sensor networks technologies and 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.

**Cognitive Networks (TCCN)**
Chair ......................................................... Honggang Zhang
Vice Chair Asia Pacific ................................. Ramachandran Ramjee
Vice Chair North America ............................... K.P. Suba Subbalakshmi
Vice Chair Europe/Africa ................................. Jaime Lloret Mauri
Standards Liaison ............................................ Mouli Chandramouli

The goal of TCCN is to provide a platform for its members in particular, and the cognitive networking research, development, policy making and standardization community in general, to 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 .......................................................... Hsiao-Hwa Chen
Vice-Chair for Conferences ............................... Peter Mueller
Vice-Chair for Publications ............................... Abderrahim Benslimane
Secretary ....................................................... Kejie Lu
Standards Liaison ............................................. Dhadesugoor Vamon

This committee promotes security of all types of communication networks and forms of information transported therein, 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 .......................................................... Hiromi Ueda
Chair-Elect ...................................................... Kelly Krick
Vice Chair - Operations ...................................... Hideaki Yoshino
Vice Chair - Programs Dev. ................................. Peter Hoath
Vice Chair - Publications .................................... Weider Yu
Treasurer .......................................................... Kevin Krantz
Secretary ........................................................ Tetsuya Yokotani
Chair - Advisory Board ........................................ Chi-Ming Chen
Standards Liaison .............................................. Hideaki Yoshino

This committee focuses on and advocates 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 .......................................................... Abdelhamid Mellouk
Vice Chair ....................................................... Joel Rodrigues
Secretary ........................................................ Lynda Mokdad
Standards Liaison .............................................. Abdelhamid NaFaa

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

Chair .......................................................... Abbas Jamalipour
Vice Chair ....................................................... Guoliang (Larry) Xue
Secretary ........................................................ Mohammed Atiquzzaman
Workshop & Conferences Chair ................................ Hussein Mouftah
Standards Liaison .............................................. Henry Suthon

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 and features, planning, economic factors and management of switching systems.

Communications Systems Integration and Modeling (CSIM)

Chair .......................................................... Charalabos Skianis
Vice Chair ....................................................... Stefano Giordano
Secretary ........................................................ George Michailidis
Standards Liaison .............................................. Harry (Charalobos) Skianis

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
Chair .......................................................... Robert Heath
Vice Chair ....................................................... Angel Lozano
Secretary ......................................................... Erik Perrins
Standards Liaison ................................................. Sana Sfar
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 .......................................................... Joe Touch
Vice Chair ....................................................... Xiaoming Fu
Secretary ......................................................... Martin Reisslein
Standards Liaison ................................................. Rango Rao Venkatesha
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 .......................................................... Tiffany Jing Li
Vice Chair (Academia) ........................................... Riccardo Raheli
Vice Chair (Industry) ........................................... Haitao (Tony) Xia
Secretary ......................................................... Warren Gross
Treasurer .......................................................... Kui Cai
Standards Liaison ................................................. Tiffany Jing Li
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 such as storage area networks and network codes, software for data storage management, servo strategies, and circuits for data storage, etc.

e-Health
Chair .......................................................... Tsong-Ho Wu
Vice Chair ....................................................... Pradeep Ray
Secretary ......................................................... Joel Rodrigues
Standards Liaison ................................................. Tony Lu
This committee focuses on exploring ICT solution gaps and business models supporting 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, and 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.

**High-Speed Networking (TCHSN)**

Chair ................................................................. Ashwin Gumaste  
Vice Chair .......................................................... Chava Vijaya Saradhi  
Secretary ............................................................. Ying-Dar Lin  
Standards Liaison .................................................. Gumaste Ashwin  

This committee promotes interest within and outside the Communications Society on emerging applications and architectural solutions for high-speed networks. A primary goal is to serve as a focal point for activities in high performance networking by participating in and sponsoring conferences and workshops; encouraging publications, fostering discussion; and providing education on the utility of high-speed networks and possible architectural alternatives required for optimum infrastructure.

**Internet**

Chair ................................................................. Deep Medhi  
Vice Chair ............................................................ Jorg Liebeherr  
Secretary ............................................................. Ehab Al-Shaer  
Standards Liaison .................................................. Neuman Sousa  

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

**Multimedia Communications (MMC)**

Chair ................................................................. Haohong Wang  
Vice Chairs .......................................................... Jianwei Huang, Madjid Merabti, Bin Wei  
Standards Liaison .................................................. Stan Moyer  

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 of the committee includes conversational, presentational, and transactional applications and the underlying networking systems to support them.

**Network Operations and Management (CNOM)**

Chair ................................................................. Marcus Brunner  
Vice Chair ........................................................... Lisandro Granville  
Technical Program Chair ......................................... Filip De Turck  
Secretary ............................................................. Brendan Jennings  
Standards Liaison .................................................. Marcus Brunner  

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, and end-to-end management across technologies and several jurisdictional boundaries.

**Optical Networking (ONTC)**

Chair ................................................................. Byrav Ramamurthy  
Vice Chair .......................................................... Suresh Subramaniam  
Secretary ............................................................ Admela Jukan  
Standards Liaison .................................................. Josue Kuri  

This committee serves as ComSoc’s focal point in the area of optical networking technologies and 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 by working closely with standards forums such as OIF, IETF, and ITU/T1.

**Power Line Communications (PLC)**

Chair ................................................................. Lutz Lampe  
Vice Chair ........................................................... Andrea Tonello  
Secretary ............................................................ Moisés Ribeiro  
Standards Liaison .................................................. Haniph Latchman  

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 ................................................................. Davide Dardari  
Vice Chair ........................................................... Andrea Conti  
Secretary ............................................................ Jiangzhou Wang  
Standards Liaison .................................................. George Chrisikos  

This committee sponsors and promotes technical publications, conferences/symposia/workshops, tutorials and other related activities on the engineering aspects of communications systems, equipment, and operation in which electromagnetic signals transmission through space near the earth's surface is the dominant factor. Specifically included are systems in which the transmission follows the surface or takes place within the atmosphere of the earth. Technologies are considered for point-to-point, point to multipoint, mobile radio, and mobile radio communications access. (Commercial band broadcasting and space communications are outside the scope of the Committee.)
Satellite & Space Communications (SSC)

Chair .................................................. Nei Kato
Vice Chair ............................................. Igor Bisio
Secretary .............................................. Hiromitsu Wakana

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, 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 .................................................. Hung Nguyen
Vice Chair ............................................. Nallanathan Arumugam
Secretary .............................................. Hai Lin
Standards Liaison .................................... Hai Lin

This committee sponsors papers, participates in the organization of conferences, and promotes technical workshops on those aspects of communications that pertain to the innovation, development and application of algorithms and electronic and photonic devices or subsystems for generation, processing, storage, transmission, recovery, and presentation of communications signals. The committee also has, as a goal, the professional development of committee members and other practitioners that work in the above areas.

Tactical Communications & Operations (TCO)

Chair .................................................. Ken Young
Vice Chair ............................................. Gabe Jakobson
Secretary .............................................. Adam Stotz

The mission of this committee is to sponsor conferences, workshops, technical sessions, publications, professional meetings, and standards on all aspects of tactical communications and operational situation management in military, homeland defense, and disaster recovery application areas. It provides a forum for members to exchange ideas, techniques, and applications, and share experiences among researchers and engineers. Its areas of interest include military communication infrastructures.

Situation Management

Chair .................................................. Gabe Jakobson

Its mission is to provide technology solutions for the military communication command and control, homeland defense and disaster recovery applications.
Transmission, Access & Optical Systems (TAOS)

Chair ......................................................... Tarek El-Bawabi
Vice Chair .................................................. Ravi Subrahmanyan
Secretary ...................................................... Michael Devetsikiotis
Standards Liaison ............................................ Frank Effenberger

This committee sponsors and organizes papers, conference sessions, workshops and standards development 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.

Cable Networks & Services Committee

Chair ......................................................... Mehmet Toy
Vice Chair ..................................................... Rob Fish

Its mission is to provide a platform for its members from industry, academia and research communities worldwide to exchange ideas and develop solutions for challenges of the cable industry, organize, participate and stimulate conferences, sessions, workshops, publications and standards activities to disseminate information, and contribute to the research and development of systems and applications for the cable industry.

Wireless Communications (TCWC)

Chair ........................................................... Xuemin (Sherman) Shen
Vice Chair ...................................................... Ross Murch
Secretary ......................................................... Tarik Taleb
Standards Liaison .............................................. Xuemin (Sherman) Shen

The mission of this committee is to sponsor publications, conferences, technical sessions, workshops, and other information exchanges on 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.
Vice President, Khaled Letaief

Staff
Bruce Worthman    Debora Kingston    June Leach-Barnaby    Gayle Weisman

CONFERENCES COUNCIL

Chair, Khaled Letaief
Members

Director - Conference Development .............................. Heinrich Stuttgen
Director - Conference Operations .............................. Merrily Hartmann
Director - Conference Publications .............................. Zhisheng Niu
Chair - GLOBECOM/ICC Management & Strategy .................. Rob Fish
Chair - GLOBECOM/ICC Technical Content ........................ Hikmet Sari

Conference Development Board
Conference Operations Board
Conference Publications Board

Chair - Conference Development .............................. Heinrich Stuttgen
Chair - Conference Operations .............................. Merrily Hartmann
Chair - Conference Publications .............................. Zhisheng Niu

Members
(Appointed by Directors - members serve on all three boards)

Members-at-Large

Fred Bauer    Vincent Chan    Nim Cheung
Roberto de Marca    Rob Fish    Harvey Freeman
James Hong    Abbas Jamalipour    Hikmet Sari
Mehmet Ulema

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

Standing Committees
(Reporting to VP-Conferences)

GLOBECOM/ICC Management & Strategy (GIMS) .................. Rob Fish
GLOBECOM/ICC Technical Content (GITC) ........................ Hikmet Sari
Embrace 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 Communication*

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 2011 – Da Nang City, Vietnam**

www.rev-conf.org

General Chairs: Le Kim Hung, Roberto Saracco, Xuan Nam Tran
Technical Program Chairs: Matthias Uwe Patzold, Linh-Trung Nguyen
Steering Committee Chair: Byeong Gi Lee

**IEEE ANTS**

*International Symposium on Advanced Networks & Telecommunication Systems*

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

**IEEE ANTS 2011 – Bangalore, India**

www.ieee-ants.org

General Chair: Sudhir Dixit
Technical Program Chairs: TBD
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, and techniques for the performance evaluation of communications systems, bringing together top-level engineers and researchers from around the globe.

**IEEE CAMAD 2011 – Kyoto, Japan**

www.ieee-camad.org

General Chairs: Michael Devetsikiotis, Koichi Asatani
Technical Program Chairs: Dzmitry Kliazovich, Hajime Nakamura
Steering Committee Chair: Michael Devetsikiotis
IEEE CCNC
Consumer Communications and 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 2012 - Las Vegas, NV, USA
www.ieee-ccnc.org
Technical Program Chair: Behrooz Shirazi
Steering Committee Chair: Rob Fish

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, intimate setting and a relaxed ambiance, where participants can concentrate on technical interchange with their colleagues and enjoy unique social events and experiences.

IEEE CCW 2011 - Hyannis, MA, USA
www.ieee-ccw.org
General Chairs: Abraham Matta, Lixin Gao

IEEE CQR
International Communications Quality & Reliability Workshop

The Technical Committee on Communications Quality & Reliability (CQR) focuses on and advocates worldwide communications quality and reliability on behalf of, and within, the IEEE 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.

IEEE CQR 2012 - San Diego, CA, USA
www.ieee-cqr.org
General Chair: TBD
Technical Program Chair: TBD
Steering Committee 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 2012 – Maui, HI, USA
www.ieee-ctw.org

General Chairs: Randall Berry, Michael Honig
Technical Program Chairs: Venu Veeravalli
Steering Committee Chair: Robert Heath

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 2012 – Seattle, WA, USA
www.ieee-dyspan.org

General Chair: Victor Bahl
Technical Program Committee Chair: TBD
Steering Committee Chair: Preston Marshall

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 2011 – Helsinki, FINLAND
www.ieee-edoc.org

General Chair: Lea Kutvonen
Technical Program Chairs: Pontus Johnson, Chi-Hung Chi
Steering Committee Chair: Marten J. Van Sinderen
IEEE GLOBECOM
Global Communications Conference

One of the Communications Society's flagship conferences. It provides a full program of technical and professional activities spanning the range of hot topics in voice, data, image and multimedia communications.

IEEE GLOBECOM 2011 - Houston, TX, USA
www.ieee-globecom.org
General Chair: Lee Gaspard
Technical Program Chair: Xi Zhang

IEEE GLOBECOM 2012 - Anaheim, CA, USA
www.ieee-globecom.org/2012
General Chair: Pierre Perra
Technical Program Chair: Zhensheng Zhang
Steering Committee Chair: Rob Fish

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 2012 – Ottawa, Ontario, CANADA
www.ieee-icc.org/2012
General Chair: Ibrahim Gedeon
Organizing Committee Chair: Wahab Almuhtadi
Technical Program Chairs: Hussein Mouftah, David Falconer

IEEE ICC 2013 – Budapest, HUNGARY
www.ieee-icc.org/2013
General Chair: Christopher Mattheisen
Technical Program Chair: Andy Molisch
Steering Committee Chair: Rob Fish
TPC Vice-Chairs: Andrea Conti, Iain Collings
Executive Chair: Lajos Hanzo
IEEE INFOCOM
International Conference on Computer Communications

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

IEEE INFOCOM 2012 – Orlando, FL, USA
http://www.ieee-infocom.org

General Co-Chairs: .................... Albert Greenberg, Kazem Sohraby
Technical Program Chairs:........ Anwar Walid, Dapeng Oliver Wu, Junshan Zhang
Steering Committee Chair: .................... Harvey Freeman

IEEE ISCC
International Symposium on Computers and Communications

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

IEEE ISCC 2011 – Kerkyra (Corfu), GREECE
www.ieee-isplc.org

General Co-Chairs: .................... Adel Elmaghraby, Christos Douligeris
Technical Program Co-Chairs:......... Periklis Chatzimisios, Ilenia Tinnirello,
.......................................................... Chonggang Wang
Steering Committee Chair: .................... Hussein Mouftah

IEEE ISPLC
International Symposium on Power Line Communications

A forum for the discussion of the issues associated with the use of electrical power distribution wires as a viable communication channel.

IEEE ISPLC 2012 – Beijing, CHINA
www.ieee-isplc.org

General Chairs: ......................... Jianming Liu, Yuning Sun
Technical Program Chairs:............. Jian Song, Massaki Katayama, Rong Zeng
Steering Committee Chair: .................... Lutz Lampe
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, including related issues such as availability, reliability, security, pricing, resource management, and performance guarantees.

IEEE IWQoS 2011 – San Jose, CA, USA
www.ieee-iwqos.org

General Chair: .................................................. Bill Lin
Technical Program Co-Chairs: .................................. Prasun Sinha, Jun Xu
Steering Committee Chair: ..................................... Shigang Chen

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 in networking in the local and metropolitan areas.

IEEE LAN/MAN 2011 – Chapel Hill, NC, USA
www.ieee-lanman.org

General Chairs: .................. Jasleen Kaur, Srinivasan Ramasubramanian
Technical Program Co-Chairs: ............ Byrav Ramamurthy, Kris Steenhaut
Steering Committee Chair: ....................... Jack Brassil

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 2012 – Maui, Hawaii, USA
www.ieee-noms.org/2012

General Chair: .................. Doug Zuckerman, Tom Moore
Technical Program Chairs: .................. Luciano Paschoal Gaspary, Filip De Turck
Steering Committee Chair: .................. Raouf Boutaba
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 2011 – Toronto, CANADA
www.ieee-pimrc.org
General Chair: ................................................................. Kaveh Pahlavan
Technical Program Chairs:................................. Shahrokh Valaee, Elvino Sousa
Steering Committee Chair ......................... Hamid Aghvami

IEEE SECON
Conference on Sensor & Ad Hoc Communications & Networks

Providing a forum for exchanging ideas, techniques, and applications, among researchers, practitioners, standard developers, and policy makers.

IEEE SECON 2011 – Salt Lake City, UT, USA
www.ieee-secon.org
General Chair: ................................................................. Prasant Mohapatra
Technical Program Chairs:................................. Sneha Kumar Kasera, Lili Qiu
Steering Committee Chair ......................... Fred Bauer

IEEE WCNC
Wireless Communications & Networking Conference

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

IEEE WCNC 2012 – Paris, FRANCE
www.ieee-wcnc.org
General Chair: ................................................................. Hikmet Sari
Technical Program Chairs:................................. Pierre Duhamel, Pascal Lorenz
Steering Committee Chair ......................... Roberto de Marca
MILCOM
IEEE/AFCEA Military Communications Conference
MILCOM offers a full program of technical sessions, tutorials, keynote speakers, and panel discussion focusing on information relevant to communication and information systems capabilities that address the 21st Century challenges of National Defense and Homeland Security.

MILCOM 2011 – Baltimore, MD, USA
www.milcom.org

General Chairs .......................................................... Deborah Wilson
Technical Program Chair:............................................. David Lofquist
Steering Committee Chair:.......................................... Lou Metzger

OFC/NFOEC
Optical Fiber Communication Conference & Exposition / National Fiber Optic Engineers Conference
The combined OFC/NFOEC 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/NFOEC 2012 – Los Angeles, CA, USA
www.ofcnfoec.org

General Chairs (OFC):......................... Scott Hamilton, Bob Jopson, Mehran Esfandiari
Technical Program Chairs:............... Yun Chung, Andrew Yablo, Vishnu Shukla
Steering Committee Chair:......................... Patrick Iannone

IEEE SmartGridcomm
IEEE International Conference on Smart Grid Communications
The IEEE International Conference on Smart Grid Communications (SmartGridComm) will focus 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 2011 – Brussels, BELGIUM
www.ieee-smartgridcomm.org

General Chairs:................................. Piet Demeester, Ralph Sporer
Technical Program Chairs:... Frede Blaabjerg, Kameshwar Poolla, Chris Develder
Steering Committee Chair:............................... Stefano Galli
IEEE HPSR
International Conference on High Performance Switching and Routing

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

IEEE HPSR 2011 – Cartegena, Spain
www.ieee-hpsr.org

General Chairs: Andrzei Jajszczyk, Pablo Pavon Marino
Technical Program Chairs: Tom Chen, Mohammed Atiquzzaman
Joan Garcia Haro
Steering Committee Chair: Hussein Mouftah

IEEE ICSOS
International Conference on Space Optical Systems and Applications

IEEE ICSOS 2012 – TBD
www.ieee-icsos.org

General Chairs: TBD
Technical Program Chair: TBD
Steering Committee Chair: TBD

IEEE CogSIMA
IEEE Cognitive Methods in Situation Management

The IEEE CogSIMA Conference invites scientists and engineers from industry, academia, and government to present technical papers on their research and development results and operational experiences in areas of situation management, cognitive fusion, intelligent sensor networks, and related applications.

IEEE CogSIMA 2012 – New Orleans, LA, USA
www.ieee-cogsima.org

General Chair: Gabriel Jakobson
Technical Program Chairs: Mieczyslaw M. Kokaf, Mica Endsley
Steering Committee Chair: Gary Toth

IEEE P2P
IEEE International Conference on Peer-to-Peer Computing

IEEE P2P is an annual conference concerned with overlay network technologies and massively distributed systems and applications. Peer-to-Peer systems benefit from and share the resources owned by systems that are distributed around the Internet. Examples of such technologies include peer-to-peer applications and grids, and in general, any large-scale distributed system characterized by decentralization and sharing of resources.
IEEE P2P 2011 – Kyoto, JAPAN
www.ieee-p2p.org

General Chairs: ...................................... Tohru Asami, Teruo Higashino
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IEEE DSA
IEEE Dynamic Spectrum Access Workshop

The Dynamic Spectrum Access Workshop brings together technical, business, regulatory and standards communities to identify current and future opportunities/challenges in efficient spectrum use and to maximize the return on investment. The interactive panel style of the workshop facilitates ideation in this cross-disciplinary topic.

IEEE DSA 2011 – Washington, DC, USA
www.ieee-dsa.org

General Chairs: ...................... Rajarathnam Chandramouli, Jim Hoffmeyer
.......................................................... Hiroshi Harada, Oliver Holland
Steering Committee Chairs: .................... Alex Gelman, Curtis Siller

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 2011 – Barcelona, SPAIN
www.ieee-icme2011.org

General Chairs: ..................... Irene Cheng, Gabriel Fernandez, Haohong Wang
Technical Program Chairs: ...................... Jin Li, Philippe Salembier
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IEEE VNC
IEEE Vehicular Networking Conference

IEEE Vehicular Networking Conference seeks to bring together researchers, professionals, and practitioners 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 2011 – Amsterdam, The Netherlands
www.ieee-vnc.org

General Co-Chairs: ......................... Geert Heijenk, Onur Altintas, Wai Chen
Technical Program Co-Chairs: ........ Frank Kargl, Falko Dressler, Hiroshi Shigeno
.......................................................... Eylem Ekici
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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 2011 – Columbia, MO, USA
www.ieee-healthcom.org

General Chair: .......................................................... Chi-Ren Shyu
Program Chairs: .......................................................... George Demiris, Kendall Ho
Steering Committee Chair: .............................................. Tsong-Ho Wu

IEEE GREENCOM
IEEE Online Conference on Green Communications
GreenCom is an online conference that reduces CO2 emissions by not requiring participants to travel. It features the latest developments in green communications covering energy-efficient communication technologies as well as communications for green technologies. Subjects include methodologies and architectures for energy efficiency, energy-efficient protocols and networks, energy management, and communications for smart grids, green buildings, energy efficient transport and logistics.

GREENCOM 2011 - Virtual
www.ieee-greencom.org

General Co-Chairs: ................................. Roberto de Marca, Gerhard Fettweis
Technical Program Committee Chairs: ......................... Juergen Quittek,
.................................................................... Nirwan Ansari, Kwang-Cheng Chen
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IEEE ICCC
IEEE Conference on Communications in China
This is a newly incubated international conference by IEEE Communication Society (ComSoc) 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.

ICCC 2012 - Beijing, CHINA
www.ieee-iccc2012.org

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EIC, IEEE Transactions on Network & Service Management (TNSM) ........
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Optical Society of America (OSA)
Association for Computing Machines (ACM)
International Telecommunication Union (ITU)
IEEE Societies (CS, SPS, CAS, LEOS, PES, MTT)

Sister Societies
ARAB Arab Information Union (AIU)
AUSTRALIA Australian Computer Society Inc (ACS-TSA)
BRAZIL Sociedade Brasileira de Telecomunicações (SBrT)
CHINA China Institute of Communications (CIC)
CHINA The Chinese Institute of Electronics (CIE)
CROATIA Communications & Information Society, Croatia (CCIS)
CZECH REP/ SLOVAKIA Czech and Slovak Society for Radioengineering (SR)
FRANCE Société de I Electricité, de I Electronique et des Technologies de I Information et de la Communication (SEE)
GERMANY Verband der Elektrotechnik Elektronik Informationstechnik (VDE)
<table>
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<tr>
<th>Country</th>
<th>Association Name</th>
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<tr>
<td>HUNGARY</td>
<td>The Scientific Association for Infocommunications (HTE)</td>
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<td>The Institution of Electronics &amp; Telecommunications Engineers (IETE)</td>
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<td>ISRAEL</td>
<td>Society of Electrical &amp; Electronics Engineers in Israel (SEEEI)</td>
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<td>Associazione Italiana per l'Informatica ed il Calcolo Automatico (AICA)</td>
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<td>ITALY</td>
<td>Association for Information &amp; Communications Technology (AICT)</td>
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<td>The Institute of Electronics, Information &amp; Communication Engineers (IEICE-CS)</td>
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<td>Latvijas Informacijas Un Komunikacijas Tehnologijas Asociacija (LIKTA)</td>
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<td>Federation of Telecommunications Engineers of the European Union Forum for European ICT Professionals (FITCE)</td>
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<th>Year</th>
<th>Chair(s)</th>
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<td>2009-11</td>
<td>Marcus Brunner, Mahmoud Daneshmand, R. Muralidharan</td>
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<td>2010-12</td>
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<td>2011-13</td>
<td>Nim Cheung, Larry Greenstein, Daehyoung Hong</td>
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*IEEE Appointments

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Reporting structure for Technical Activities Board:
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Volunteer Opportunities at TAB:
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TAB Nominations & Appointments Process & Forms:
http://www.ieee.org/about/volunteers/tab/tab_402.html

IEEE Major Boards & Standing Committees:
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IEEE Nominations & Appointments Opportunities:
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Society Sentinel (has calls for nominations - sent to Technical Activities volunteers):
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The Institute (has calls for nominations for IEEE positions):
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Provided as a service to our local chapters, Distinguished Lecture Tours and individual Distinguished Speakers can be arranged in response to a request from one or more Chapter Chairs. They may also be initiated by Regional Directors, the Director – Membership Programs Development, or the Vice President - Member Relations. 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 lecturer. Funding for 2011 will be in accordance with the following guidelines.

Procedures

• Funding (approximately $1000 - $2000) for DISTINGUISHED LECTURE TOURS will be provided to enable a lecturer to address multiple groups during a lecture tour. Normally, no more than $1,000 will 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 will approve between $1,500 and $2,000 per tour. No more than two or three tours of this type will 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 will be flexible for this type of (international) DLT to enhance our Globalization efforts. DLTs organized using “In-Region” lecturers will continue to be supported as budget allows.

• Funds for the DISTINGUISHED SPEAKER PROGRAM (DSP) will be provided up to $500 to cover publicity/local expenses. Travel and living expenses are not covered. (These DSPs are individual lectures; they are not tours.)

• DLT Tours involve a series of lectures – addressing at least three groups in three separate locations within reasonable geographical proximity to each other. DSP lecturers are for a single location.

• “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 - Membership Programs Development. Tour recommendations should take place at least two months before the tour begins &
must include the following:

- Chapters involved in the tour
- Chapter Chairs and e-mails
- If a university is involved, name of school, contact, e-mail
- Name and e-mail 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 is the responsibility of the Director - Membership Programs Development 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 record their lecture after the tour for the Online Distinguished Lecturers Program. Software and instructions for completing this portion of your commitment will be e-mailed to each lecturer prior to his/her tour.

- Funding is provided, as required, to cover a lecturer’s travel expenses. Living expenses, such as lodging and meals, plus 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 then submitted to ComSoc Headquarters in NYC (Carole Swaim) 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. Expense form is found at the Distinguished Lecturer web site: www.comsoc.org/about/memberprograms/distinguished-lecturers.
DISTINGUISHED LECTURERS

Appointments are 2 years (with an option of 2 additional years)
*term effective through 31 December 2011
**term effective through 31 December 2012

O. Akan (Ozgur) **
akan@ku.edu.tr Turkey
• Fundamentals of Nanoscale Communications
• Bio-inspired Communication and Networking
• Introduction to Molecular Communications and Nanonetworks
• Carbon-nanotube (CNT)-based Nanoscale Ad Hoc and Sensor Networks
• Cognitive Radio Sensor Networks
• Next-generation Wireless Sensor Networks
• Multimedia Communications: Now and Future
• Deep Space Communications and InterPlaNetary Internet

K. Asatani (Koichi) **
asatanik@cc.kogakuin.ac.jp Japan
• NGN (Next Generation Networks) and FN (Future Networks)
• VoIP, IP Telephony
• Communications QoS & Reliability
• Access Networks
• Wireless LAN and Broadband Internet
• Regulatory Issues of NGN and Internet

A. Boukerche (Azzedine) **
boukerch@site.ottawa.ca Canada
• Nanoscale Communication Networks
• Smart Grid: Communication-Enabled Intelligence for the Electric Power Grid

S. Bush (Stephen) **
bushsf@research.ge.com USA
• All-Optical Photonic Packet Switching: What Have Changed and What Have Not Changed After 20 Years?
• Optical Access Networks: Past, Present and Future
• Doppler Effect and Its Engineering Applications

T.H. Cheng (Tee Hiang) **
ethcheng@ntu.edu.sg Singapore
• All-Optical Photonic Packet Switching: What Have Changed and What Have Not Changed After 20 Years?
• Optical Access Networks: Past, Present and Future
• Doppler Effect and Its Engineering Applications

M. Chiani (Marco) **
Marco.chiani@unibo.it Italy
• Fundamentals and Advances in MIMO Communication Systems and Networks
• Application of random matrices theory to communications and signal processing
• Spectrum Sensing For Cognitive Radio: fundamental limits and multiple antenna based methods
• Codes on Graphs For Throughput Enhancement, Packet Loss Correction and Multiple Access

M. Devetsikiotis (Michael) *
mdevets@ncsu.edu USA
• Challenges in Service Oriented and Application Aware Networking
• Modeling and Simulation Techniques for Communication Networks
• Towards Network Enabled Collaboration and Innovation
• Formal Methods for Cross Layer Quantitative Modeling of Networks
• Adaptivity Mechanisms in Next Generation Networks
• Pricing and Optimization of Service Oriented Next Generation Networks
• Traffic Characterization and Analysis for Next Generation Networks

F. Dressler (Falko) **
dressler@ieee.org Germany
• Inter-Vehicular Communication: Protocols and Simulation Techniques
• Self-Organization in Sensor and Actor Networks
• Biologically-inspired and Nano-scale Communication and Networking

A. Gelman (Alex) **
adg@ieee.org USA
• “Standardization Activities in IEEE - A Service to the Membership, Industry, and Humanity”
H. Hudson (Heather) *
heatherehudson@gmail.com USA
• From Rural Village to Global Village: The Role of Telecommunications in Socio-Economic Development
• Bridging the Broadband Divide: Strategies for Rural and Developing Regions
• Universal Service Funds: Accelerators or Anachronisms?
• Broadband Policies and Funding Strategies in North America (Canada and U.S.)
• Rethinking Remoteness: VOIP, YouTube, and Development
• Rural Telemedicine: Lessons from Alaska
• Municipal Broadband: Lessons from the U.S. Experience
• The Wireless Explosion: Connectivity for the Developing World

V. C. M. Leung (Victor) **
vleung@ece.ubc.ca Canada
• Service and Network Convergence in Next Generation Networks
• Mobile Agents in Wireless Sensor Networks
• Wireless Networks for Vehicle-Infrastructure Integration
• From WPAN to WBAN: Short Range Packet Communications

J. Li (Jin) **
jinl@microsoft.com USA
• Locality aware P2P delivery: the way to scale Internet Video
• Towards Glitch Free VoIP and Video Conferencing
• Data in the Cloud: Design of Efficient Storage Systems
• High Performance Enterprise Computing with Solid State Drive (SSD)

W. Liao (Wanjiun) **
wjliao@cc.ee.ntu.edu.tw Taiwan
• Green communications and networking
• Wireless multimedia networking
• Cloud-aware data center networking

M. Merabti (Madjid) **
m.merabti@ljmu.ac.uk UK
• Critical Infrastructure Protection: A 21st Century Challenge
• Sharing Human Digital Memories – Practical Challenges

S. Parkvall (Stefan) **
Stefan.parkvall@ericsson.com Sweden
• LTE, IMT-Advanced, and beyond
• Future radio access - challenges

C. Qiao (Chunming) **
qiao@computer.org USA
• Power-aware and computationally efficient optical network design
• Net SILO: Architectural support for Internet evolution and innovation
• A framework for hierarchical traffic grooming in optical networks

A. K. Somani (Arun) **
arun@iastate.edu USA
• Monitoring the US Power Grid Using Wireless Sensor Networks
• Survivable Path Level Traffic Grooming in WDM Optical Networks
• Capacity-Balanced Efficient Protection and Grooming Optical Architecture
• RDFN - Robust, Dynamic and Fair or (Real-Damn-Fast) Network
• Wavelength-Division-Multiplexing-Based Networks: Issues and Challenges
• Issues in Optical Interconnection of LANs
• End-to-End Packets and Circuits over Fiber
• Fault and Attack Management in Optical Network

R. Srikant **
rsrikant@uiuc.edu USA
• Network Optimization, Architecture and Algorithms
• Distributed Scheduling Algorithms for Wireless Networks
• Shadow-Queue Architecture for Adaptive Routing and Scheduling
K. Trivedi (Kishor)  
kst@ee.duke.edu  
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- Survivability Quantification  
- Software Aging and Rejuvenation  
- High Availability Software System Assurance  
- Performability Modelling of Wireless Communication Systems  
- Performance and Reliability of Composite Web Services  
- Modeling SIP Application Server Reliability  
- Stochastic Petri Nets  
- Reliability and Availability Modeling using the SHARPE Software Package

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- Globally Optimal Linear Precoders for Finite Alphabet Signals over Complex Vector Gaussian Channels  
- Underwater Acoustic Communications: Problems, Challenges and Undersea Experiment Results  
- Cooperative Multi-user Communications under Finite Alphabet Constraints: Theory and Practice  
- Wireless Fading Channel Modeling and Simulations

L. Xue (Larry G.)  
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- Coverage and Connectivity in Wireless Sensor Networks  
- Cross-layer Optimization for Wireless Mesh Networks  
- Multi-constrained QoS Routing and Multipath Routing  
- Robust Localization in Wireless Sensor Networks  
- Social Networks

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mihaela@ee.ucla.edu  
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- Design Principles for Social Networks  
- Shannon Revisited: New Separation Principles for Wireless Multimedia  
- New Classes of Multi-user Communication Games  
- Mechanism Design for Engineers: The Theory of Intervention Games with Application to Wireless Networks  
- Network economics

Q. Zhang (Qian)  
qianzh@cse.ust.hk  
Hong Kong  
- Advances in Cognitive Radio Networks  
- Dynamic Spectrum Access for Efficient Spectrum Management  
- Cooperative Wireless Networks  
- Cross-Layer Design for Wireless Mesh Networks  
- Wireless Sensor Networks and Applications

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xizhang@ece.tamu.edu  
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- Statistical QoS Guarantees for Wireless Communications Networks  
- Cross-Layer Optimization for Cognitive Radio Wireless Networks  
- Mobile Multicast Communications over Wireless Networks  
- Multimedia Wireless Sensor Networks  
- Wideband Communications and QoS Provisionings for Vehicular Networks  
- Advances in Cooperative Wireless Communications and Relay Networks  
- Wireless Network Coding

Z. Zhang (Zhensheng)  
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- Disruption/delay tolerant networks: overview and challenges  
- Energy efficient wireless sensor networks  
- Software defined cognitive radios and dynamic spectral allocation (DSA)  
- Integration of wireless networking and personal health (e-health), and standards on IEEE personal health device (PHD)  
- Satellite based automatic identification System (AIS)

W. Zhuang (Weihua)  
wzhuang@uwaterloo.ca  
Canada  
- Resource Allocation for Cellular/WLAN Integrated Networks  
- QoS Routing in Mobile Ad Hoc Networks  
- Distributed Medium Access Control for QoS Support in Wireless Networks  
- Routing and Medium Access Control for Delay Tolerant Traffic in Mobile Ad Hoc Networks  
- Hybrid Mobile User Location and Non-Link-of-Sight Error Mitigation
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. Conferences may also seek other sources for travel grants; e.g., 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 the IEEE Communications Society when submitting the application;
• Is a full-time student registered toward a Bachelors, Masters, or Ph.D. degree in engineering or related field in a college or university when submitting the application;
• Applicant 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 Student Travel Grant Committee for each conference will review all travel grant applications and notify applicants about award decisions by the date indicated on the conference website.

The ComSoc Student Travel Grant Award

The STG consists of a monetary award to be used toward registration fees, conference hotel expenses, and travel costs as determined by the Student Travel Grant Committee for each particular conference. To claim an 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 90 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 $2,000; funded by the Armstrong Memorial Research Foundation.

Eligibility – Member of the Communications Society at time of nomination.

Basis for Judging – 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

<table>
<thead>
<tr>
<th>Year</th>
<th>Recipient</th>
</tr>
</thead>
<tbody>
<tr>
<td>1991</td>
<td>Burton R. Saltzberg</td>
</tr>
<tr>
<td>1990</td>
<td>Jack K. Wolf</td>
</tr>
<tr>
<td>1989</td>
<td>Paul E. Green, Jr.</td>
</tr>
<tr>
<td>1988</td>
<td>Jack M. Sipress</td>
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<tr>
<td>1987</td>
<td>Paul Baran</td>
</tr>
<tr>
<td>1986</td>
<td>Gottfried Ungerboeck</td>
</tr>
<tr>
<td>1985</td>
<td>Robert Charles Terreau</td>
</tr>
<tr>
<td>1984</td>
<td>Bob O. Evans</td>
</tr>
<tr>
<td>1983</td>
<td>No award</td>
</tr>
<tr>
<td>1982</td>
<td>Tadahiro Sekimoto</td>
</tr>
<tr>
<td>1981</td>
<td>Robert Price</td>
</tr>
<tr>
<td>1980</td>
<td>Frederick T. Andrews</td>
</tr>
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<td>1979</td>
<td>Arthur A. Collins</td>
</tr>
<tr>
<td>1978</td>
<td>Andre Pinet</td>
</tr>
<tr>
<td>1977</td>
<td>William H.C. Higgins</td>
</tr>
<tr>
<td>1976</td>
<td>Walter B. Morrow</td>
</tr>
<tr>
<td>1975</td>
<td>Robert W. Lucky</td>
</tr>
<tr>
<td>1974</td>
<td>Frank D. Reese</td>
</tr>
</tbody>
</table>

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.
### IEEE Communications Society Distinguished Industry Leader Award

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

**Description** – To recognize 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 played a major leadership role in research or development and 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 in industry, commerce, and society. The candidate is not required to be an IEEE member.

**Selection Criteria and 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 could also be received from a Nominations Committee appointed by the President of the Communication Society. The nomination/selection process to select an award recipient for year “X+1” will take place in year “X”, thus conforming to IEEE procedures. (For example, the 2004 winner will be decided by the committee in year 2003.)

**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

<table>
<thead>
<tr>
<th>Year</th>
<th>Recipient</th>
<th>Year</th>
<th>Recipient</th>
<th>Year</th>
<th>Recipient</th>
</tr>
</thead>
<tbody>
<tr>
<td>2009</td>
<td>David Falconer</td>
<td>2011</td>
<td>Suk-Chae Lee</td>
<td>2004</td>
<td>Ki Tae Lee</td>
</tr>
<tr>
<td>2008</td>
<td>No recipients</td>
<td>2010</td>
<td>No recipient</td>
<td>2003</td>
<td>Jorma Ollila</td>
</tr>
<tr>
<td>2007</td>
<td>Sam Pitroda</td>
<td>2009</td>
<td>Kaoru Yano</td>
<td>2002</td>
<td>John T. Chambers</td>
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<tr>
<td>2001</td>
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<td>2008</td>
<td>No recipient</td>
<td>2001</td>
<td>Keiji Tachikawa</td>
</tr>
<tr>
<td>2000</td>
<td>David D. Clark</td>
<td>2007</td>
<td>Arun Sarin</td>
<td>2004</td>
<td>Irwin M. Jacobs</td>
</tr>
<tr>
<td></td>
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<td>2006</td>
<td>Henry Samueli</td>
<td>2003</td>
<td>Jorma Ollila</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2005</td>
<td>No recipient</td>
<td>2002</td>
<td>John T. Chambers</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2004</td>
<td>No recipient</td>
<td>2001</td>
<td>Keiji Tachikawa</td>
</tr>
</tbody>
</table>

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IEEE Communications Society Industrial Innovation Award

Prize – Plaque, certificate, and honorarium of $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 in industry for major industrial accomplishments, standards, deployment of important processes or products, etc., 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.

Selection Criteria and 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.

Nomination/Selection Process - The 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. Calls for nominations are posted on the ComSoc Web page, Society magazine and electronic newsletter.

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 presentation is made preferably at the IEEE GLOBECOM Awards Luncheon, or at a venue and time appropriate to the business area of the recipient. Award will be publicized on the ComSoc Web page, Society Magazine, electronic newsletter, and Awards Luncheon Brochure.

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. Up to $3000 (plus the minimal cost of plaques and certificates) will be budgeted annually to cover the cost of up to 3 recipients.

Recipients
2010 - No Recipient      2009 - David Belanger

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 – Member of the Communications Society at time of nomination.

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

Presentation – Annually (as soon as possible after recommendation). Award will not be presented if suitable candidate is not available.
IEEE Communications Society Harold Sobol Award for Exemplary Service to Meetings & Conferences

**Prize** – Plaque, certificate, and honorarium of $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.

**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 Director of Meetings and Conferences and consisting of members of the Meetings and 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**

- 2010 - Abbas Jamalipour
- 2009 - Nim K. Cheung
- 2008 - Shri K. Goyal
- 2007 - Roberto Saracco
- 2006 - Alexander D. Gelman
- 2005 - Mark J. Karol
- 2004 - Harvey A. Freeman
- 2003 - Doug Lattner
- 2002 - Douglas N. Zuckerman
- 2001 - Harvey A. Freeman
- 2000 - Ross C. Anderson

- 1993 - Joseph L. LoCicero
- 1992 - Frederick T. Andrews
- 1991 - Celia Desmond
- 1990 - Jack C. McDonald
- 1989 - William H. Tranter
- 1988 - Richard A. Alston
- 1987 - Noriyoshi Kuroyanagi
- 1986 - Paul E. Green, Jr.
- 1985 - M.R. Aaron
- 1984 - Bruce DeMaeyer
- 1983 - Allen Gersho
- 1982 - William W. Middleton
- 1981 - Richard L. Shuey
- 1980 - Edward J. Doyle
- 1979 - Richard Kirby
- 1978 - Donald L. Schilling
- 1977 - David Solomon
- 1976 - Ran Slayton
- 1975 - Jack C. McDonald
- 1974 - John Limb
- 1973 - John S. Ryan
- 1972 - Richard L. Shuey
- 1971 - Noriyoshi Kuroyanagi
- 1970 - Paul E. Green, Jr.
- 1969 - Walter B. Noller
- 1968 - Bruce DeMaeyer
- 1967 - M.R. Aaron
- 1966 - Anthony B. Giordano
- 1965 - Adam Lender
- 1964 - Stephen Weinstein
- 1963 - Donald L. Schilling
- 1962 - Edward J. Doyle
- 1961 - John S. Ryan
- 1960 - John Limb
- 1959 - Richard L. Shuey
- 1958 - Noriyoshi Kuroyanagi
- 1957 - Paul E. Green, Jr.
- 1956 - Walter B. Noller
- 1955 - M.R. Aaron
- 1954 - Alexander D. Gelman
- 1953 - Doug Lattner
- 1952 - Douglas N. Zuckerman
- 1951 - Harvey A. Freeman
- 1950 - Ross C. Anderson
- 1949 - Richard L. Shuey
- 1948 - Noriyoshi Kuroyanagi
- 1947 - Paul E. Green, Jr.
- 1946 - Walter B. Noller
- 1945 - M.R. Aaron
- 1944 - Alexander D. Gelman
- 1943 - Doug Lattner
- 1942 - Harvey A. Freeman
- 1941 - Noriyoshi Kuroyanagi
- 1940 - Paul E. Green, Jr.
- 1939 - Walter B. Noller
- 1938 - M.R. Aaron
- 1937 - Alexander D. Gelman
- 1936 - Doug Lattner
- 1935 - Harvey A. Freeman
- 1934 - Noriyoshi Kuroyanagi
- 1933 - Paul E. Green, Jr.
- 1932 - Walter B. Noller
- 1931 - M.R. Aaron
IEEE Communications Society Joseph LoCicero Award for Exemplary Service to Publications

Prize – Plaque, certificate, and honorarium of $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.

Selection Criteria - Basis for judging is exemplary and exceptional service to IEEE Communications Society publications over a sustained period of time. Factors to be considered in the selection are time of service, impact, specific innovations, etc.

Nominee Selection – Award will be presented annually to a recipient selected by a Publications Award Selection Committee working in conjunction with the Communications Society Award Committee. Nominations shall be solicited, screened and reduced to a short list by the Selection Committee (Vice President of Membership Services; Directors of Journals and Magazines, and Editors-in-Chief of the Society’s publications) with external consultation, as appropriate, and submitted to the Communications Society Awards Committee for final selection.

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 a 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).

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

Recipients

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 recipient
2002 - Curtis A. Siller
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.

Description and Eligibility: Recipient must be a member of ComSoc or KICS at the time of nomination and have demonstrated exemplary and distinguished service in globalization.

Selection Criteria - Basis for judging is outstanding & long-term service, fostering & 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 by presidents of both societies during IEEE GLOBECOM. Annually (as appropriate); 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.

Recipients

2010 - Roberto Saracco
2009 - Tomonori Aoyama
2008 – Maurizio Decina
2007 - Stephen B. Weinstein

PAPER AWARDS

The Communications Society Best Tutorial Paper Award

Prize – Plaque and honorarium up to $500 for each author; total not to exceed $1,000.

Eligibility – Given to an outstanding tutorial paper published in any 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.


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 Books, 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). Award will not be given if a paper of high quality is not uncovered.

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

Prize – Plaque and honorarium up to $500 for each author; total not to exceed $1,000.

Eligibility – Publication of an original paper in the category Communications Systems, published in any journal financially sponsored or co-sponsored by the Communications Society in the previous 3 calendar years; author 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 uncovered.
The Communications Society Stephen O. Rice Prize in the Field of Communications Theory

**Prize** – Plaque and honorarium up to $500 for each author; total not to exceed $1,000.

**Eligibility** – Publication of an original paper, in the category Communications Theory, published in any journal financially sponsored or co-sponsored by the Communications Society in the previous 3 calendar years; author need not be an IEEE member.

**Basis for Judging** – Quality, originality, utility, timeliness, 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). Award will not be given if a paper of high quality is not uncovered.

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

**Prize** – Plaque and honorarium up to $500 for each author; total not to exceed $1,000.

**Eligibility** – Publication of original paper, in the category of Communications Networking, published in any journal financially sponsored or co-sponsored by the Communications Society in the previous 3 calendar years; author need not be an IEEE member.

**Basis for Judging** – Quality, originality, utility, timeliness, 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). Award will not be given if a paper of high quality is not uncovered.

Fred W. Ellersick Prize

**Prize** – Plaque and honorarium up to $500 for each author; total not to exceed $1,000.

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

**Basis for Judging** – Quality, utility, timeliness, and clarity of presentation, comprehensible to the non-specialist.
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 Magazines 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). Award will not be given if a paper of high quality is not uncovered.

IEEE Communications Society Heinrich Hertz Award for Best Communications Letter

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

Description - Letters published in IEEE Communications Letters 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 – For an outstanding manuscript published in IEEE Communications Letters (or, if renamed, its successor) during the previous 3 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 IEEE Communications Letters from the Editorial Board. Each associate editor may submit no more than one paper to the Editor-in-Chief for consideration. A sub-committee 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 sub-committee. 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 estab- lished. 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 recommenda- tion). Award will not be given if a paper of high quality is not uncovered.
IEEE Communications Society/Information Theory Society Joint Paper Award

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

Eligibility – For outstanding papers published in any publication of the Communications Society or Information Theory Society within the previous three calendar years. The authors do not have to be members of IEEE. 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 IEEE 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's 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, 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 filed 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 15 February; a short list is generated by 1 March; 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 $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, at the International Conference on Communications.

The IEEE Communications Society Award for Advances in Communication

Prize - Plaque and honorarium of $500 per author (up to a maximum total of $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 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 March 1 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 uncovered. Award and recipient will be published in the ComSoc Awards Luncheon brochure and posted on the ComSoc web site.
PAPER AWARDS NOMINATION PROCESS

Communications Society Paper Awards

The Communications Society's Awards Committee retains responsibility for the ultimate selection of winning papers and functioning of the awards process. It coordinates the nomination and decision processes; and 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.

Magazine and Journals Editors-in-Chief are responsible for generating short nomination lists for their respective prizes, 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.)

The Society welcomes nominations 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 authors, paper title, the publication and 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 (see current EICs listed under “Publications” in front part of the ComSoc Community).

**The Communications Society Best Tutorial Paper Award**
Given to 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 in the Field of Communications Systems**
Restricted to a paper published in any journal financially sponsored or co-sponsored by the Communications in the previous 3 calendar years.

**The Communications Society Stephen O. Rice Prize in the Field of Communications Theory**
Restricted to a paper published in any journal financially sponsored or co-sponsored by the Communications Society in the previous 3 calendar years.

**The Communications Society William R. Bennett Prize in the Field of Communications Networking** (Award recently redefined for networking)
Restricted to a paper in any journal financially sponsored or co-sponsored by the Communications Society 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 *IEEE Communications Letters* 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)
Restricted to 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.

The short nomination lists for all prize papers are submitted to the Communications Society Awards Committee no later than February 15th of the year following the year in which papers were published. Award presentations are traditionally made at ICC each year.

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**IEEE Awards**

Recognition for an outstanding paper can be given at both Society and Institute levels. Editors-in-Chief may wish to nominate automatically the winning Communications Society papers for appropriate IEEE awards. (See 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: (a) scientific and educational - directed toward the advancement of the theory, practice and application of communications engineering and related arts and sciences; (b) professional - directed toward promotion of high professional standards, development of competency and advancement of the standing of members of the profession it serves.

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.

1.3 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.
1.4 Authority – Society organization and operations are in accordance with the IEEE Constitution.

**Article 2 – Bylaws**

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**

Policies and Procedures provide more detailed statements about specific policies, objectives, and procedures than are contained in the Constitution or Bylaws.

**Article 4 – Membership**

Members of the Society are IEEE members, and non-members of IEEE who qualify as Affiliates, have an interest in some phase of the scope of the Society, and provide tangible support of Society objectives.

**Article 5 – Organization**

5.1 Board of Governors – The Society is governed by an administrative body called the Board of Governors (BoG).

5.1.1 Elected officers – The BoG includes officers elected by the Society membership, such as, but not restricted to:

- **President, immediate Past President, and President-elect.** - The President is the chief executive officer of the Society.
- **Vice Presidents** - Each administers a Council responsible for a key area of interest to the Society.
- **Members-at-Large** - They are elected for staggered multiyear terms. The operations of the Society are assessed periodically, and the number of Members-at-Large is adjusted in accordance with membership needs and growth.
- **Society membership representative(s) to IEEE Board of Directors.**
- **All elected officers have full voting privileges in handling Society affairs.**

5.1.2 Appointed officers – The BoG includes a group of officers appointed by the President upon recommendation of the appropriate Vice President. These officers assist in managing Society activities and are supervised by the President and appropriate Vice President. Appointed officers serve concurrently with the President and Vice Presidents, and include:
• Treasurer responsible for Society financial affairs.
• Group of Directors, each of whom administers a major Board responsible for an area important to the Society.
• Other officers with special titles and duties.
• Appointed officers may propose resolutions but do not have voting privileges in the BoG.

5.2 Operating Committee – Management of Society affairs between regular and special meetings of the BoG is delegated to an Operating Committee (OpCom). Actions of the OpCom must be ratified at the next BoG meeting, except those actions taken in areas already delegated.

5.3 Councils – Vice Presidents chair the respective Councils they manage and report to the BoG and OpCom.

5.4 Boards - Major Boards are established and dissolved through resolutions approved by the BoG.

5.5 Committees – The Standing Committees are established and dissolved through resolutions approved by the BoG. Ad Hoc Committees may also be established and dissolved through resolutions approved by the BoG.

5.6 Professional Staff – The staff consists of paid professional employees of IEEE who support the activities of the Society. The staff is managed by a Society Executive Director (hereafter referred to as Executive Director) who also serves as 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 fees or assessments that are levied on members of the Society for membership dues, covering publications supplied and services rendered to all members. Other revenues may be raised from the sale of Society publications, advertising, expositions, contributions, and from other sources consistent with IEEE regulations. Proposed new income sources require the approval of IEEE.

6.3 Conference Registrations – Suitable registration charges may be collected by the Society from members and non-members attending Society meetings, symposia, conferences and conventions, consistent with IEEE policy and regulations.

6.4 Budget – An annual budget must 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.

6.5 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 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.
7.1.1 Organization – Meetings are organized according to IEEE regulations. All meetings are open on an equal basis to all IEEE and Society members. Registration fees at Society meetings may differ for the various grades of IEEE and Society members and be higher for non-members.

7.1.2 Papers Selection – At meetings sponsored by the Society or in which it participates, the methods of selection of papers for presentation, and the publications procedures are consistent with IEEE regulations. The Society, through the Committees within the Technical Activities Council, offers guidance in the solicitation and review of papers and in organizing and moderating sessions at meetings.

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. Fees 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 programs.

**Article 8 - Amendments**

8.1 Constitution

8.1.1 Origin – Amendments to this Constitution may be initiated by:

- 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 must be approved by a two-thirds vote of all the voting members of the BoG. Amendments are subject to the approval of the IEEE Technical Activities Board (TAB). After approval by TAB, the proposed amendment will be published in the Society magazine, or directly mailed to the membership. The amendment becomes effective unless one percent (or more) of the membership objects in writing to the designated IEEE office within 60 days.

8.1.3 Procedure on Petitions – When a petition for a proposed amendment is submitted, the BoG will prepare a summary statement. A recommendation, for or against adoption, must be approved by a two-thirds vote of all the voting members of the BoG. The petition, summary statement, and recommendation are subject to approval by the IEEE TAB. After approval by TAB, the proposed amendment will be published in the Society magazine, or directly mailed to the membership. The amendment becomes effective unless one percent (or more) of the membership objects in writing to the designated IEEE office within 60 days.

8.1.4 Objections – If one percent objects, a ballot with the proposed amendment will be mailed to all voting members of the Society. A return date of at least 60 days will be allowed. Proposed amendments must be approved by two-thirds of the returned ballots.

8.1.5 Amendments – Changes will become effective 60 days after all necessary approvals and notifications.

8.2 Bylaws – Revisions and proposed amendments to the Bylaws must be approved by a two-thirds vote of BoG members in attendance, with a quorum present.
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ARTICLE 1– OBJECTIVES

1.1 Objectives – The objectives of the Society are to provide the following services to its members and the global community of communications professionals:

Technical Information

• Creation by research and innovation by the Communications Society community.
• Identification and promotion of hot topics.
• Dissemination worldwide by publications, presentations, and electronic media.
• Exchange by Chapter activities, workshops, discussions, mutual assessments, general networking on technical subjects, and other means of professional communication.
• Facilitation of standards activities

Education (basic and continuing)

• Tutorials, short courses, lecture programs.
• Chapter support and other delivery mechanisms.

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.

1.2 Bylaws and Policies and Procedures of the Society will be in accordance with the IEEE Governing documents.
ARTICLE 2 – MEMBERSHIP

2.1 Members are those who have an interest in the fields of communications engineering or related arts and sciences and have selected Communications Society membership as part of their IEEE membership or have qualified according to IEEE policy as an Affiliate member of the Society.

2.2 Grades of membership for the Society are the same as those of IEEE plus Affiliates. When used in the Bylaws, the term "member" includes all grades of membership.

2.3 Unless otherwise stated, members are entitled to all rights and privileges of the Society except that Student Members are not entitled to hold office or vote.

2.4 A Society member who is delinquent in paying Society dues will 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 who are members of the Board of Governors (BoG), Councils, Boards, and Standing and Ad Hoc Committees or are Technical Committee Chairs and Society Representatives must be Members of the Society. The President-Elect and Vice Presidents must be Senior Members or Fellows of IEEE.

3.2 Elected Officers

3.2.1 President-Elect, Vice President - Technical Activities, Vice President - Publications, Vice President - Conferences, Vice President - Member Relations, Vice President - Standards Activities, IEEE Division III Director-Elect, and Members-at-Large of the BoG are elected by direct vote of the voting Members of the Society (see Article 2.2).

- President-Elect will be elected in even-numbered years, and Vice Presidents in odd-numbered years.
- One-third of the total (12) Members-at-Large will be elected annually; Society Members will vote for a set percentage of Members-at-Large each year.
- When an elected officer is elected to another Society position, except President-Elect, during his or her term, he/she will resign from the former position, upon taking office.
- If the President-Elect holds more than one voting position in the BoG or OpCom, he/she will have no more than one vote.
- When an elected officer is elected to the position of President-Elect during his/her term, he/she may continue holding the earlier position through the conclusion of its term or upon entering the position of President, whichever comes first.

3.2.2 Terms of Office

- President-Elect will serve in that capacity the year after his/her election (odd-numbered) and begin a two-year term as President the following year (even-numbered), and then continue for a one-year term as Past President.
- Vice Presidents begin two-year terms in the even-numbered years following their election.
- The term of office for a Member-at-Large is three years.
3.2.3 Eligibility for Re-election

- The President may not be re-elected President for a second 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 will be ineligible for a Vice President-level position after being elected for a total of four vice-presidential terms, consecutive or otherwise.
- Members-at-Large may be re-elected as Members-at-Large for a second consecutive three-year term, but are further ineligible for that office until the lapse of one year.

3.2.4 Absence or Incapacity of

- President - Duties will be performed by the President-Elect (odd-numbered years)/Past President (even-numbered years) and then by the Vice President - Technical Activities, Vice President - Publications, Vice President - Conferences, Vice President - Member Relations, and Vice President - Standards Activities, in that order.
- President-Elect - The term will be fulfilled by the Past President, who will continue in that capacity until a special election is held and a new President-Elect is chosen.
- Vice President or Member-at-Large - Individuals will be identified from the candidate group, in the sequence of the number of votes received, and appointed to serve the remainder of the elected term. If none of these individuals can serve, the vacancy will be filled by action of the BoG upon proposal by the President; a person filling a position in this manner will serve until the position can be filled in the next election.

3.3 Appointed Officers

3.3.1 Treasurer

- Will be appointed by and report to the President.
- Serves for the term of the President.
- 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 Chief Information Officer (CIO)

- Will be appointed by and report to the President.
- Serves for the term of the President.
- Oversees cost-effective planning, acquisition, maintenance and use of the Society’s information systems and networking, databases and telecommunications services.

3.3.3 Directors, Parliamentarian, Standing Committee Chairs, and Ad Hoc Committee Chairs

- Will be appointed by the President (upon the recommendation of a Vice President when appropriate).
- Regional Directors are chosen by the President from lists 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 will make the appointment in consultation with the incoming Vice President - Member Relations.
- Serves for the term of the President.
3.3.4 Appointments of the Treasurer, Chief Information Officer, Directors, Parliamentarian, and Standing Committee Chairs are made with the approval of the BoG.

3.4 President, President-Elect, and Past President - Responsibilities

3.4.1 In the odd-numbered years, the President-Elect will assist the President in discharging the responsibilities of that office. In the even-numbered years, the Past President will fulfill this role.

3.4.2 The President-Elect begins selecting appointed officers before becoming President. The President is the highest ranking volunteer officer of the Society. He/she is responsible for leading the implementation of strategic actions and directions set by the ComSoc BoG. The President or his/her delegate represents the Society in negotiations with Sister Societies and other similar organizations. Together with the Society Executive Director (hereafter referred to as Executive Director), and in accordance with IEEE governing documents and guidelines, he/she manages the Society operations.

3.4.3 The President will oversee and coordinate handling of ethics and conduct issues involving members, including author misconduct, at the Society level. He will be assisted by the Executive Director and by volunteers with experience in such matters, as needed.

3.5 Vice Presidents - Responsibilities

3.5.1 Vice Presidents are accountable to the President for their areas of responsibility.

3.5.2 Vice President – Technical Activities is responsible for all technical activities and educational services within the Society. Reporting to this Vice President are:

- Director – Education
- Chairs – Technical Committees
- Chair – Awards Committee
- Chair – Distinguished Lecturers Selection Committee
- Chair – Fellow Evaluation Committee
- Chair – Emerging Technologies Committee
- Chair – Technical Committees’ Recertification Committee
- Chair – GLOBECOM/ICC Technical Content Committee

3.5.3 Vice President – Publications is responsible for all activities of the Society related to print and electronic products, such as journals, magazines, and on-line offerings. Reporting to this Vice President are:

- Director – Journals
- Director – Magazines
- Director – On-Line Content

3.5.4 Vice President – Conferences is responsible for all aspects of technical conferences, workshops, and professional meetings, including conference publications. Reporting to this Vice President are:

- Director – Conference Development
- Director – Conference Operations
- Director – Conference Publications
- Chair – GLOBECOM/ICC Management & Strategy Committee
- Chair – GLOBECOM/ICC Technical Content Committee
3.5.5 Vice President – Member Relations is responsible for all Society activities and programs related to members, chapters, membership development, marketing, and relations with other IEEE and professional societies worldwide, fostering a strong international Society presence, in coordination with the IEEE Division Director. Reporting to this Vice President are:

- Director – Membership Programs Development
- Director – Marketing & Industry Relations
- Director – Sister & Related Societies
- Director – Asia/Pacific Region
- Director – Europe, Middle-East & Africa Region
- Director – Latin America Region
- Director – North America Region

3.5.6 Vice President – Standards Activities is responsible for overseeing all Society activities and programs related to: 1) ComSoc-sponsored IEEE Standards Association (IEEE-SA) projects; 2) identifying opportunities and fostering ComSoc's engagement in new and/or existing non-ComSoc Standards Development projects; 3) increasing the visibility of ComSoc standards initiatives to IEEE, the wider international standards community, and the broad international community of communications technologists; 4) maintaining a close and informed relationship with the IEEE-SA; and 5) using ComSoc standards activities to forge closer ties with and support of ComSoc's Technical Activities, Publications, Member Relations, and Conferences activities and goals. Reporting to this Vice President are:

- Director – Standards Development
- Director – Standardization Programs Development

3.6 Board of Governors (BoG)

3.6.1 Officers on the Board of Governors:

Elected (Voting) Officers:
- President
- President-Elect (odd years), immediate Past President (even years)
- Vice Presidents
- Members-at-Large
- Director – IEEE Division III
- Directors-Elect - IEEE Division III (odd years)

Appointed (Non-voting) Officers:
- Directors
- Parliamentarian
- Chief Information Officer
- Treasurer
- Executive Director

3.6.2 The BoG must hold at least two formal meetings annually. Special BoG meetings may be held at the request of the President or any four members of the BoG. A majority of the voting members of the BoG constitutes a quorum. When a quorum is present, a majority vote is necessary to transact business. Proxy voting is not allowed.

- The presiding officer of the BoG shall have no vote on the BoG except if the vote is by secret ballot or unless the Chair’s vote can change the outcome of the vote.
• The vote of a majority of the votes cast of the members present and entitled to vote at the time of the vote, provided a quorum is present, shall be the act of the Society.

3.6.3 Annually, the President, Vice Presidents, and Executive Director will submit the coming year’s Operating Plans. Progress on these plans will be reviewed throughout the year.

3.6.4 The BoG may meet and act upon the vote of its members by any means of telecommunications. The normal voting requirements shall apply when action is taken by means of telecommunications equipment allowing all persons participating in the meeting to hear each other at the same time.

3.6.5 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., referencing Society policies and procedures. A majority vote of the BoG is required for actions so taken.

3.7 Operating Committee (OpCom)

3.7.1 Between formal and special BoG meetings, business will be managed by a subset of the BoG called the OpCom, consisting of the following:

- President
- President-Elect (odd years), immediate Past President (even years)
- Vice Presidents
- Members-at-Large (three - one from each annually elected group and appointed by the President)
- IEEE Director/IEEE Director-Elect Division III
- Directors
- Chief Information Officer
- Treasurer
- Parliamentarian
- Executive Director

3.7.2 Members of the OpCom who are voting members of the Board of Governors are the only voting members of OpCom.

3.7.3 OpCom will meet twice annually, in person or by other means. Additional meetings may be held at the request of the President or any four members of OpCom. A majority of the voting members of OpCom constitutes a quorum. When a quorum is present, a majority vote is necessary to transact business. Proxy voting is not allowed. Actions of OpCom must be ratified by the full BoG in its next meeting. Routine business items shall be included in the consent agenda of that meeting.

3.7.4 All OpCom members are expected to participate in OpCom meetings with the following exceptions:

- IEEE Division III Director/Director-Elect
- Directors
- Chief Information Officer

These members may participate as determined by the President for each meeting.

3.8 Operations

3.8.1 Minutes of each BoG and OpCom meeting will be distributed to the BoG within 30 days of the meeting. For executive sessions, only motions passed will
be included in the BoG and OpCom minutes. Brief executive session minutes will be kept on file in the office of the Com Soc Executive Director.

3.8.2 Members of the BoG and OpCom must receive notice of their formal meetings no less than 21 days prior to the scheduled date.

3.8.3 If a quorum is not present at a duly called BoG or OpCom meeting, actions may be formulated but are not effective until ratified by letter, electronic mail, or conference call. A majority vote of that specific body is required for ratification. Approved decisions will be recorded in the minutes of that meeting.

3.8.4 Business action that is formulated outside of a duly called meeting may be conducted by letter, electronic mail, or conference call, referencing Society policies and procedures. A majority vote of the BoG is required. Approved decisions will be confirmed promptly or in writing or by electronic transmission and recorded in the minutes of the next meeting.

3.8.5 Business at Society meetings 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 IEEE governing documents. The President may designate a Parliamentarian whose ruling on procedures will be requested in cases of conflict.

3.8.6 Councils, Boards, and Committees will hold meetings at the request of the relevant Chair with sufficient frequency to transact Society business with reasonable dispatch.

3.8.7 A Management Retreat may be held annually at the discretion of the President.

3.8.8 BoG members must adhere to decisions of the BoG, unless such decisions violate IEEE or Society constitutions, bylaws or policies.

3.8.9 The BoG may relieve volunteers in appointed/assigned positions of their responsibilities.

3.9 Professional Staff

3.9.1 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.

3.9.2 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 will 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.

3.9.3 The 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 Executive Director supports the
Society President, officers and volunteer leadership to achieve the Society goals. This Executive Director reports through the Managing Director, Technical Activities, to the IEEE Executive Director.

3.9.4 The Executive Director serves as BoG/OpCom secretary, assisted by staff members where needed.

ARTICLE 4 – COUNCILS

4.1 Councils are chaired by Vice Presidents to address Technical Activities, Publications, Conferences, Member Relations, and Standards Activities. Directors reporting to a Vice President serve on his/her Council. Vice Presidents may appoint a vice chair, a secretary, and additional members as needed, and designate a member to serve as chair pro tempore in his/her absence.

4.2 Council policies and procedures are approved by the Council and with consent of the BoG.

4.3 Technical Activities Council (TAC) - This Council addresses the educational and technical interests of the Society, encompassing the broad range of communications and communications-related technical areas. Members of this Council include Technical Committee and Standing Committee chairs, in addition to Directors, reporting to the Vice President - Technical Activities.

4.4 Publications Council - This Council addresses the needs of the Society and Society Members related to print and electronic projects, such as journals, magazines, and on-line offerings, not including conference publications.

4.5 Conferences Council - This Council addresses the needs of the Society and Society Members related to technical conferences, workshops, and professional meetings.

4.6 Member Relations Council - This Council addresses all Society activities and programs related to members, chapters, membership development, marketing, industry relations, sister and related societies, and Society regions. Members of this Council include the President-Elect and the Past President, in addition to all Directors reporting to the Vice President - Member Relations.

4.7 Standards Activities Council - This Council oversees the work of Director of Standards Development and Director of Standardization Programs Development, and their respective Boards. Members of the Council include the Vice President - Standards Activities, Vice President – Technical Activities, Directors who report to Vice President – Standards Activities, and the Chairs of any Standards Committees that are established and report to the Standards Activities Council Directors.

ARTICLE 5 - TECHNICAL COMMITTEES

5.1 Technical Committees are established to promote and achieve the technical objectives of the Society.

5.2 Technical Committees may be created, merged, or dissolved by resolution of the BoG. A resolution to create or substantially change a Technical Committee may be submitted by the Vice President - Technical Activities and must include the name, scope, tentative program for the first year, and approximate numbers of interested and potential members.
5.3 New Technical Committees may also be proposed by petition of 25 Society Members; petitions must be submitted to the BoG by the Vice President - Technical Activities and include information in 5.2.

5.4 The Chair of a new Technical Committee is appointed for two years by the Vice President - Technical Activities with the approval of the President. During this period a mentor is assigned to the committee by the Vice President – Technical Activities. Subsequently, the Chair will be elected by members of the Technical Committee.

5.5 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.

5.6 General policies and procedures are provided to guide technical committees and may be modified for the individual technical committee with approval of the Vice President – Technical Activities. Policies must include officer positions and election procedures.

5.7 Each Technical Committee will have a technical scope that may be modified when appropriate, upon approval of the Technical Activities Council and consent of the BoG.

ARTICLE 6 – BOARDS

6.1 Boards are the operational and strategic entities below, organized under Councils, and chaired by Directors.

- Conference Development
- Conference Operations
- Conference Publications
- Education
- Journals
- Magazines
- Marketing & Industry Relations
- Membership Programs Development
- On-Line Content
- Regional - Asia/Pacific
- Regional - Europe, Middle-East & Africa
- Regional - Latin America
- Regional - North America
- Sister & Related Societies
- Standards Development
- Standardization Programs Development

6.2 Directors are responsible for appointing members to their Boards, with the approval of the appropriate Vice President. Board members serve for the duration of the Director’s term. Each Director may appoint a secretary and additional members as needed. In addition to the designated voting members, each Board may approve voting rights for additional members.

6.3 Policies and Procedures for each Board are developed by the Board and approved by the appropriate Vice President with consent of the BoG. Policy & Procedures & Operating Procedures of the Standards Development Board and of the Standards Committees reporting to the Standards Development Board must also conform to and be approved by IEEE-SA Standards Board. They should conform to the requirements and templates specified in the IEEE-SA Standards Board Operation Manual.
6.4 Board Descriptions

6.4.1 Conference Development – This Board is responsible for the strategic planning, technical scope, and growth of all ComSoc conferences. Members include representatives from the Technical Activities Council and at least four Members-at-Large with at least one having served as the technical program chair and at least one as the general chair of a major conference. All of these are voting members, in addition to the Director.

6.4.2 Conference Operations – This Board is responsible for the oversight and management of the operational and financial aspects of all ComSoc 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 conference. All of these are voting members, in addition to the Director.

6.4.3 Conference Publications – This Board is responsible for the oversight of all ComSoc conference-based intellectual property. Members include representatives from GITC and major conferences. Additional members can be appointed. All are voting members, in addition to the Director.

6.4.4 Education - This Board is responsible for the oversight of all Society educational activities, including administration of the Society’s programs on continuing education, incorporating tutorials, short courses, lectures, etc. Members include representatives from the Conference Development, Conference Operations, Conference Publications and Membership Programs Development Boards, and at least two Members-at-Large. All are voting members, in addition to the Director. The composition of this Board should be drawn from the academic, industrial, and government communities.

6.4.5 Journals – This Board is responsible for the oversight of Society journals. Voting members are the Editors-in-Chief of Society journals and two Members-at-Large, in addition to the Director. Additional members can be appointed, including Liaison Editors to other IEEE journals. All of these are voting members, in addition to the Director.

6.4.6 Magazines – This Board is responsible for the oversight of Society magazines. Voting members consist of the Editors-in-Chief of Society magazines and two Members-at-Large, in addition to the Director. Additional members can be appointed, including Liaison Editors to other IEEE magazines. All of these are voting members, in addition to the Director.

6.4.7 Marketing & Industry Relations – This Board is responsible for assuring a comprehensive and cost-effective marketing program of Society products and services. It is also responsible for developing liaisons with communication related enterprises to promote ComSoc products and services. Members include representatives from the Membership Programs Development Board, the Member Relations Council, and at least four Members-at-Large. All of these are voting members, in addition to the Director. The composition of this board should be drawn from the academic, industrial, and government communities.

6.4.8 Membership Programs Development – This Board is responsible for the oversight of ComSoc member activities and benefits programs, for individuals, chapters, and sections. Members include four Regional Directors plus three members per region selected by the Director from a list of candidates, consisting of at least four names per region, submitted by each Regional Director. All of these
are voting members, in addition to the Director. The composition of this board should be drawn from the academic, industrial, and government communities.

6.4.9 On-Line Content – This Board is responsible for initiating, assessing and overseeing Society on-line content. It supports technical committee activities; on-line services; as well as publications, conferences, and education products and services. Members include representatives from the Conference Development, Conference Operations, Education, Journals, and Magazines Boards; the Technical Activities and Member Relations Councils; the CIO; and up to three additional members. All of these are voting members, in addition to the Director.

6.4.10 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
- Europe, Middle-East & Africa
- Latin America
- North America

Regional Boards recruit new ComSoc members; stimulate participation in technical committees, meetings, and conferences; encourage submissions to Society publications; and cooperate and liaison with national scientific and professional societies. Each Board shall have a minimum of five voting members, in addition to the Director. The composition of these boards should be drawn from the academic, industrial, and government communities.

6.4.11 Sister & Related Societies – This Board is responsible for the oversight, collaboration, management, and strategic planning of society relationships with other IEEE societies, with similar national-based societies, and with professional organizations. Membership includes representatives from the Member Relations Council, from selected Sister Societies, from selected Related Societies, and at least three Members-at-Large. All of these are voting members, in addition to the Director.

6.4.12 Standards Development - This Board is responsible for the promotion and advancement of communications standards and standards-related activities. It consists of eight voting members, in addition to the Director, who is also entitled to vote. Priority to serve on the Standards Development Board shall be given to:

- Standards Committee Chairs and ComSoc appointed Chairs or Co-Chairs for Joint Standards Committee, and Working Group Chairs which are directly sponsored by the Standards Development Board and ComSoc-appointed Working Group Chairs or Co-Chairs for jointly sponsored Working Groups. Exclusive of the Director, the other voting members serve a term, with possible extensions, for purpose of continuity of experience. Each of these eight members serves at the discretion of the Director and VP – Standards Activities. New Board members shall be appointed by the Director in consultation with the Vice President Standards Activities. If no Director – Standards Development is appointed, the Vice President – Standards Activities shall fill that role.

6.4.13 Standardization Programs Development - This Board is responsible for launching pre- and post-standardization activities. 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, etc. It consists of four voting
members, in addition to the Director, who is also entitled to vote. Exclusive of the Director, the other voting members serve a term, with possible extensions, for purpose of continuity of experience. Each of these four serves at the discretion of the Director and Vice President Standards Activities. New Board members shall be appointed by the Director in consultation with the Vice President Standards Activities. This Board shall not function unless a Director – Standards Development is appointed, in which case its responsibilities will be absorbed into the Standards Development Board.

6.5 Other operational Boards may be created by majority vote of the BoG. The scope of responsibility and Policies and Procedures must be defined before a new Board will be incorporated into the Bylaws.

ARTICLE 7 - STANDING & AD HOC COMMITTEES

7.1 Standing Committees of the Society and their alignments under Society officers are:

- Finance President
- Governance President
- IEEE/ComSoc Coordination President
- Nominations & Elections President
- Operations & Facilities President
- Strategic Planning President
- GLOBECOM/ICC Management & Strategy VP - Conferences
- GLOBECOM/ICC Technical Content VP - Conferences/
- Awards VP - Technical Activities
- Communications History VP - Technical Activities
- Distinguished Lecturers’ Selection VP - Technical Activities
- Emerging Technologies VP - Technical Activities
- Fellow Evaluation VP - Technical Activities
- Technical Committees Recertification VP - Technical Activities

7.2 Policies and procedures will be proposed by each committee Chair with the approval of the designated Society officer.

7.3 Standing Committee Descriptions

7.3.1 Awards – This committee is responsible for all major awards and recognitions made or proposed by the Society. It consists of a Chair, appointed by the President upon recommendation of the Vice President - Technical Activities, and not less than twelve (12) members appointed by the Chair for three-year terms upon the approval of the Vice President - Technical Activities. 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.

7.3.2 Communications History - Communications History is responsible for identifying, placing in electronic archives, and raising public awareness through all appropriate steps on the most important facts/person/achievements of communications history in particular, as well as telecommunication milestones in general. The committee consists of a Chair, appointed by the President upon recommendation of the VP-Technical Activities and 3 members appointed by the
Chair on approval of the VP-Technical Activities for three-year terms, one member appointed each year.

7.3.3 Distinguished Lectures Selection – This committee is responsible for establishing selection criteria and for the appointment of lecturers. It is chaired by the Vice Chair of the Technical Activities Council. Members consist of the Vice President – Technical Activities, Vice President – Member Relations, the Director – Membership Programs Development, and the Chair of Emerging Technologies Committee.

7.3.4 Emerging Technologies – This committee is responsible for identifying, describing, and nurturing new technology directions, recommending new programs, nurturing potential technical committees for formal proposal via the Vice President - Technical Activities. The Chair is appointed by the President from among members of the Strategic Planning Committee with the recommendation of the Vice President – Technical Activities. Additional members are appointed by the Chair with the consent of the Vice President – Technical Activities and must include at least one more member from Strategic Planning. The committee will have six members appointed for three years 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 members of the committee.

7.3.5 Fellow Evaluation – This committee is responsible for the Society's evaluation of Fellow nominations being considered by the IEEE Fellow Committee. It consists of a Chair, appointed by the President with the recommendation of the Vice President - Technical Activities, and nine members. Each member is appointed by the Chair to a three-year term upon approval of the Vice President - Technical Activities, one-third of the members being appointed each year. Chair and members must be IEEE Fellows and Members of the Society.

7.3.6 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 committee is chaired by the Treasurer and includes the President, Past or President-Elect, Vice Presidents, CIO, Executive Director, and the representative from each MAL class.

7.3.7 GLOBECOM/ICC Management & 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). The committee structure and operation is detailed in the GIMS charter. The voting members of the GIMS committee are: a Chair, three or four Members-at-Large, three past members of an ICC or GLOBECOM Organizing Committee, and the GITC committee Chair. The committee chair is appointed by the President with recommendation of the Vice President – Conferences. The other members are appointed by the Chair with approval of the Vice President – Conferences.

7.3.8 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 quality. The committee structure and operation is detailed in the GITC charter. The voting members of the GITC committee are: a Chair, two to four members identified by
the Technical Activities Council, three past ICC or GLOBECOM Technical Program Chairs, and the GIMS committee Chair. The committee chair is appointed by the President with recommendation of the Vice President – Conferences and the Vice President – Technical Activities. The other members are appointed by the Chair with approval of the Vice President – Conferences and the Vice President – Technical Activities.

7.3.9 Governance – This committee is responsible for reviewing proposed Bylaw changes in advance of BoG meetings and also effecting the Bylaw changes that result from actions of the BoG, making sure the new text is consistent with existing Bylaws, the ComSoc Constitution and other IEEE governing documents. It is also responsible for periodically proposing changes that will keep the Society’s governing documents, including Policies & Procedures, current, allowing an efficient management of the Society. Membership: Chair appointed by the President, the Parliamentarian and up to three additional members appointed by the President upon recommendation of the Committee Chair, and should include one previous ComSoc President and one sitting Member at Large. The Chair and committee members will serve two-year terms concurrent with the President, with one reappointment allowed.

7.3.10 IEEE/ComSoc Coordination – this committee is responsible for the Society’s internal coordination and cooperation with IEEE entities and for enhancing Society relations with IEEE governance and staff. The chair is appointed by the President based upon recommendation of the VP-Member Relation. Voting members consist of the President, VP-Member Relations, Past President/President Elect, IEEE Division III Director, IEEE Division III Past Director/Director-Elect and Director- Sister & Related Societies.

7.3.11 Nominations & Elections – This committee is responsible for selecting candidates to fill Society offices, and for the development, implementation and supervision of election procedures. It consists of nine voting members, each appointed by the President, upon recommendation by the Chair, for a three-year term, one-third of the members being appointed each year. At least one annual appointee must not be a member of the BoG. Immediately after being elected and officially announced, the President-Elect becomes an ex officio non-voting committee member. The committee is chaired by Past Presidents. Each President spends the first year after his/her term of office as an ex officio voting committee member. This Past President assumes the Chair the following year (an odd-numbered year) and serves for two years. If the Past President is unable to serve, the President will appoint a Chair for a similar period, with the approval of the BoG. The Chair shall not be eligible to be elected to the BoG during his/her 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. Meetings of this committee will always be held in Executive Session. The number of signatures required for a petition candidate to appear on a ComSoc ballot shall be equal to the number required by the IEEE Bylaw on Nominations & Appointments. All nominations, whether by petition or by a majority vote of the committee, must be made at least 28 days prior to the date of election. The operation of the committee is detailed in its policies and procedures.
7.3.12 Operations & Facilities – This committee is responsible for supporting the President in making recommendations to the BoG on facilities and related capital expenses. It is chaired by the President and includes the following as members who serve for the duration of the President’s term:

- 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 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. Meetings of this committee will always be held in Executive Session.

7.3.13 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. It consists of a Chair and up to 10 members all appointed by the President for the term of his/her office. One of the members is the Chair of Emerging Technologies Committee.

7.3.14 Technical Committees Recertification – This committee recommends the establishment of new Technical Committees and reviews current committees to determine whether they are fulfilling their responsibilities. The committee is chaired by the Vice President – Technical Activities and includes the TAC Vice Chair and six members, each appointed for a three-year term. One-third of the members are appointed each year by the Vice President – Technical Activities from among Members-at-Large of the BoG. Committee members who are also officers of Technical Committees under review must excuse themselves from deliberations related to their Technical Committee.

7.4 Standing Committees may have additional or fewer members as determined by the President on an exception basis and for a designated term. Additional members are appointed in consultation with the appropriate Vice President and Standing Committee Chair.

7.5 The President shall inform the Board of Governors in the first formal meeting of his term the roster of all Standing Committees.

7.6 Standing Committees with defined scopes and responsibilities may be created by majority vote of the BoG.

7.7 Ad Hoc Committees may be established by the President to address broad technical or operational issues within the Society or IEEE. Chair and members are appointed by the President. President will report the composition, mission, and duration of the committee to the BoG. OpCom will review Ad Hoc Committees annually and recommend whether they should continue, disband, or be elevated to Standing Committees.
ARTICLE 8 - SOCIETY REPRESENTATIVES

Representatives are responsible for representing the Society in other IEEE organizations and other non-IEEE Societies and organizations. They are appointed by the President for terms as required by the other organization, in consultation with the appropriate Vice President.

ARTICLE 9 - BUDGET AND FINANCE

9.1 Officers will prepare budgets for the coming calendar year in the first half of each year to be approved by the BoG at its mid-year meeting. Actuals will be reviewed throughout the year.

9.2 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.

9.3 Budget

9.3.1 Each year the Society produces a budget which must be approved by the BoG.

9.3.2 The annual budget may include funding for unplanned expenses; funding levels will be set by the BoG and disbursements made at the discretion of the President.

9.3.3 The Treasurer is responsible for the development of the Society annual budget and for preparing Society inputs to the IEEE budget. The Treasurer monitors revenues and expenses, providing interim budget reports at each BoG and OpCom meeting. A complete financial report, including actual versus budget, net assets, and reserves is presented by the Treasurer annually.

9.4 Finance

9.4.1 The Treasurer has oversight responsibility for all Society financial matters.

9.4.2 Funds will be handled as designated by the Treasurer and will be deposited with IEEE or with external financial institutions, as approved by the BoG, IEEE Executive Committee and/or IEEE Board of Directors.

9.4.3 The Treasurer will 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.

9.4.4 Non-budgeted expenditures up to $25,000 may be approved by the President and must be accounted for at the next BoG or OpCom meeting.

9.4.5 OpCom can approve expenditures that do not exceed .5% each (or 2% total) of the expense budget for the year.

9.4.6 The Treasurer will periodically review the Society finances and recommend adjustments needed to insure financial stability of the Society.

9.4.7 The Treasurer will cooperate with Society and IEEE officials to accomplish financial audits when requested. The results of these audits will be presented to the BoG.
The IEEE Communications Society 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

History of ComSoc

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, merged in 1963 to form The Institute of Electrical and Electronics Engineers, Inc. (IEEE).

The Communications Society itself began with the formation of the IRE’s Professional Group on Communications Systems (PGCS) in 1952. When the Society celebrated its 50th anniversary, it produced a succinct, useful book A Brief History of Communications that captures the major communications technology events of the 20th Century, provides interviews of leaders, and gives a brief overview of Society history. Copies are available by sending a request to society@comsoc.org.

In the past forty-nine years ComSoc has increased its membership over five-fold from 8,800 when it began operations as an independent Society of the IEEE to over 50,000 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 while the Society’s strength comes from the vision and dedication of its members and staff.
Membership Demographics

Where Members Live
Membership growth has been stronger outside of the USA (Regions 1-6) and 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
- 41% USA — 78 Chapters
- 5% Canada — 14 Chapters
- 25% Europe/Middle-East/Africa — 50 Chapters
- 6% Latin/America — 24 Chapters
- 23% Asia/Pacific — 42 Chapters

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 provides the theoretical foundations for future development.
- 45% Private Industry
- 34% Education
- 8% Consulting
- 8% Public/Government/Non-Profit
- 6% All other

Operations

Revenues and Expenses
The IEEE Communications Society currently has revenues and expenses over $18 million per year. Less than 10% of revenue comes from membership dues. Most is derived from publications and conference activities, which enjoy solid support from both members and nonmembers.

Revenue
- 52% Conferences
- 39% Publications
- 7% Dues
- 2% Other

Expenses
- 48% Conferences
- 18% Publications
- 19% Administration
- 8% Programs
- 6% Membership & Marketing
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.

**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.

**IEEE ANTS**

IEEE Advanced Networks & Telecommunication Systems

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

**IEEE CCNC**

IEEE 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 CogSIMA 2011**

IEEE Conference on Cognitive Methods in Situation Awareness and Decision Support

CogSIMA provides a venue for presenting scientific results of studies of complex, heterogeneous dynamical systems that include humans, physical systems and computer agents.
IEEE DySPAN
The IEEE International Symposium on Dynamic Spectrum Access Networks
www.ieee-dyspan.org
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 EDOC
IEEE Enterprise Distributed Object Computing Conference
www.ieee-edoc.org
EDOC addresses the full range of engineering technologies and methods contributing to enterprise distributed application systems.

IEEE GLOBECOM
IEEE Global Communications Conference
www.ieee-globecom.org
One of the Communications Society’s flagship conferences. It provides a full program of technical and professional activities spanning the range of hot topics in voice, data, image and multimedia communications.

IEEE HEALTHCOM
IEEE International Conference on e-Health Networking, Application & Services
www.ieee-healthcom.org
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.

IEEE ICC
IEEE International Conference on Communications
www.ieee-icc.org
IEEE ICME
IEEE International Conference on Multimedia and Expo
www.icme2011.org/

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 IM
IFIP/IEEE International Symposium on Integrated Network Management
www.ieee-im.org

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

IEEE INFOCOM
IEEE International Conference on Computer Communications
www.ieee-infocom.org

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

IEEE ISPLC
IEEE International Symposium on Power Line Communications
www.ieee-isplc.org

A forum for the discussion of the issues associated with the use of electrical power distribution wires as a viable communication channel.

IEEE ISCC
IEEE Symposium on Computers and Communications
www.comsoc.org/iscc/

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

IEEE IWQoS
IEEE Workshop on Quality of Service
www.ieee-iwqos.org

IWQoS provides an international forum for the cutting edge research in Quality of Service field, including related issues such as availability, reliability, security, pricing, resource management, and performance guarantees.
IEEE NOMS
IEEE/IFIP Network Operations and Management Symposium
www.ieee-noms.org
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.

IEEE P2P
IEEE International Conference on Peer-to-Peer Computing
www.ieee-p2p.org
IEEE P2P is an annual conference concerned with overlay network technologies and massively distributed systems and applications. Peer-to-Peer systems benefit from and share the resources owned by systems that are distributed around the Internet.

IEEE PIMRC
Annual IEEE International Symposium on Personal, Indoor & Mobile Radio Communications
www.ieee-pimrc.org
PIMRC has 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 SECON
IEEE Sensor and Ad Hoc Communications and Networks
www.ieee-secon.org
Providing a forum for exchanging ideas, techniques, and applications among researchers, practitioners, standard developers, policy makers.

IEEE SmartGridComm
IEEE International Conference on Smart Grid
www.ieee-smartgridcomm.org
IEEE 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.
WCNC, one of the world’s foremost international technical conferences in wireless technologies, offers the best and most current tutorials, research results, industry-oriented technical content and perspectives on wireless communications, networks and systems.

MILCOM
IEEE/AFCEA Military Communications Conference
www.milcom.org

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

OFC/NFOEC
IEEE/OSA Optical Fiber Communication Conference and Exposition/National Fiber Optic Engineers Conference
www.ofcnfoec.org

The combined OFC/NFOEC 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.

Technical Committee Workshops

• IEEE CAMAD
IEEE International Workshop on Computer Aided Modeling & Design of Communication Links & Networks
www.ieee-camad.org

• IEEE CCW
IEEE Workshop on Computer Communications
www.ieee-ccw.org

• IEEE CTW
Communications Theory Workshop
www.ieee-ctw.org

• IEEE CQR
IEEE International Communications Quality and Reliability Workshop
www.ieee-cqr.org

• IEEE LAN/MAN
IEEE Workshop on Local & Metropolitan Area Networks
www.ieee-lanman.org
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 come free with membership. All publications are available online. See the Communications Society 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 the ISI® “2009 Journal Citation Report.” ComSoc publications occupied 6 of the top 10 places for impact factor:

2. Journal on Selected Areas in Communications
4. Transactions on Mobile Computing
5. Communications Magazine
6. Wireless Communications Magazine
8. Network Magazine
9. Transactions on Networking

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 their most important member benefit, provides the latest information on all communications technologies, such as Lightwave Systems, Broadband Communications, Multimedia Services, and Wireless Networks. Now with monthly digital delivery service, issues are delivered to readers’ desktop as soon as they’re published. Interactive links and page archiving are some of the added new features of digital delivery.

In addition to its in-depth technical articles, the magazine also brings other important departments such as:

- **The Global Communications Newsletter**, a monthly feature containing articles about worldwide events related to communications and Society activities.

- **IEEE Optical Communications**, a series dedicated to fiber optics technology.

- **IEEE 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.

**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, covers technical and policy issues relating to personal, location-independent communications in all media and at all protocol layers.

**IEEE Communications Letters** provides researchers with the ideal venue for sharing their most current results and developments. Unlike other publications, these articles are intended to be published within three months of submission. Monthly issues.

**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. Each of this scholarly journal’s issues focuses in-depth attention on critical aspects of one specific communications topic, from electromagnetic propagation to multimedia communications, from components to systems.

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, cosponsored by the IEEE Signal Processing Society, focuses on high-quality, peer-reviewed, original papers that advance the state-of-the-art and applications of wireless communications including theoretical contributions such as new techniques, concepts and analyses, and practical contributions such as system experiments and prototypes, and new applications. Monthly.

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 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 Transactions on Mobile Computing, a bi-monthly journal cosponsored 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 Internet Computing, published by the IEEE Computer Society with the technical co-sponsorship of the Communications Society, offers professionals a single source of credible, useful information on the Internet and its enabling technologies.
IEEE Multimedia Magazine, published by the IEEE Computer Society with the technical co-sponsorship of the Communications Society, features the latest practical information on research and applications in multimedia hardware and software.

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, and 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.

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

ComSoc e-News, a free service distributed monthly to ComSoc members, others who subscribe to ComSoc magazines and journals, and attendees at the more than 50 annual ComSoc-sponsored conferences, meetings, workshops and symposia.

IEEE Wireless Communications Professional, a bi-monthly newsletter, 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 on the ComSoc web site at www.comsoc.org or the IEEE web site at www.ieee.org.

ComSoc Digital Library

Up-to-date electronic versions, available as pdf or html files, of ComSoc traditional print publications are available to members and subscribers through the ComSoc web site. Some editions include articles or papers enhanced with additional editorial files. All members can access the CommOntology expert navigation system, create My ComSoc preferences, view US Patent citation in bibliographic data, and download pdf files of current and previous copies of IEEE Communications Magazine. The ComSoc Digital Library includes selected conference proceedings and legacy files back to 1953.

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In addition, current conference proceedings include: IEEE ICC, GLOBECOM, WCNC, SECON, PIMRC, CCNC, DYSPAN, MILCOM, NOMS, IM, and INFOCOM. The optional Digital Library package of electronic access provides current year files and the previous three years, about 21,000 papers, but eliminates traditional print delivery.

The ComSoc Digital Library Plus option includes what is accessible through the standard package and supplements this with pdf files for the periodicals back to 1953, about 75,000 papers. Access is through the Communications Society web site.

**TUTORIALS NOW**

ComSoc's Enhanced Conference Tutorial Program - Tutorials Now presents a collection of tutorials given by international experts at recent ComSoc sponsored conferences.

Each tutorial reviews current communications topics in network management and computer and wireless communications. It consists of the PowerPoint™ slides used for the original tutorial augmented with new audio recordings by the original presenters.

With broad selections of topics and more than 80 self-study tutorials, you can play the presentation at anytime.

Recent tutorials include:

- Planning wireless municipal networks based on Wi-Fi/WiMAX mesh networks - applications, technologies and business models
- Broadband Video Networking: Empowering the 3D and HD Generation
- Applications Enablers for Challenged Networks
- Practical Steps in Techno-Economic Evaluation of Network Deployment Planning
- Coding for Cooperative Communications
- Cooperative Wireless Networking
- Enabling Technologies and Standardization Activities of IMT-Advanced
- Femtocells: Opportunities and Challenges

Half-day or full day tutorials can be purchased through the IEEE Communications Society Web site. Highspeed internet connectivity suggested. PCs only. Free 5 minute previews are available.

For more information, visit [www.comsoc.org/tutorialsnow/](http://www.comsoc.org/tutorialsnow/) or email to tutorialsnow@comsoc.org
IEEE Certification

Wireless Communication Engineering Technologies (WCET) is a certification program and an examination that reflects the realities of what wireless professionals need to know and be able to do on the job.

WCET certification provides a credential in the areas most valued by an employer or potential employer. 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. It is guided by an Industry Advisory Board, and supported by Question Writers and Examination Oversight committees. Members of these groups 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.

In Japan, please contact the MCPC (Mobile Computing Promotion Consortium): www.mcpc-jp.org

- **Testing Windows for Fall 2011:**
  2 October - 29 October 2011
  Application deadline: 16 September 2011

- **Testing Windows for Spring 2012:** 9 April - 5 May 2012
  Application deadline: 23 March 2012

Free Candidate's Handbook, Free 1 hour Webinar, and IEEE Wireless Communications Professional newsletter, provide all the details for your WCET certification preparation. Practice exam, Training, Online Tutorials and WEBOK are also available. Please visit the Certification website for the latest updates: [www.ieee-wcet.org](http://www.ieee-wcet.org)

ComSoc Training

ComSoc Training - Continuing education for the communications professional, offers online and in-person training. One-day, two-day, three-day and five-day training options are available. IEEE maintains an official registry of all CEUs awarded. This makes accounting to state licensing boards an easier task for engineers. It also helps IEEE organizational units keep track of seminar/tutorial participants. Current offerings focus on wireless communications engineering. Visit: [www.comsoc.org](http://www.comsoc.org)
**2011 Tentative Schedule of Courses**

- **20 July** Wireless Communications Engineering – Current Practice  virtual
- **3 Aug** LTE for the Wireless Engineering Practitioner: Fundamentals & Applications  virtual
- **22-26 Aug** Virtual Intensive Course on Wireless Communications Engineering  5 day virtual
- **6-8 Sep** Wireless Communications Engineering; Tokyo  3 day in-person
- **10-14 Oct** Virtual Intensive Course on Wireless Communications Engineering - 5 day virtual
- **21 Oct** Professional Wireless Communications Engineering; IEEE Metro Area Workshop, Austin - in-person
- **17 Nov** LTE for the Wireless Engineering Practitioner: Fundamentals & Applications - virtual
- **4 Nov** Professional Wireless Communications Engineering; IEEE Metro Area Workshop, Huntsville  in-person

**Other Services and Products**

**IEEE ComSoc Webinars**

ComSoc webinars, with audio/video/slide show downstream and text (for Q&A) upstream, focus on the technologies, systems, products and services of interest to both corporate sponsor(s) and worldwide technical audiences. Typically webinars run for 1.5-2 hours and cover 3 or 4 presentations, are free to the viewing audience. ComSoc Webinars are corporate sponsored and developed in coordination with ComSoc. A recent webinar is *Future Trends in Military Communications*. For more information, please visit [www.comsoc.org/webinar](http://www.comsoc.org/webinar).

**A Guide to the Wireless Engineering Body of Knowledge (WEBOK)**

Recommended reading for the IEEE WCET Certification Program, this is an indispensable resource for anyone in the wireless industry. Information presented in this book reflects the evolution of wireless technologies, their impact on the profession, and the industry's commonly accepted best practices. Organized in seven main areas of expertise, this book enhances readers' understanding of:

- Wireless access technologies
- Network and service architecture
- Network management and security
- Radio frequency engineering, propagation, and antennas
- Facilities infrastructure
- Agreements, standards, policies, and regulations
- Wireless engineering fundamentals

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The Best of the Best
Fifty Years of Communications and Networking Research
Edited by William H. Tranter, Desmond P. Taylor, Rodger E. Ziemer, Nicholas F. Maxemchuk, and Jon W. Mark. The Best of the Best presents 56 papers divided into two categories — Communications and Networking. This selection of key journal research papers is a compilation of the most outstanding papers published by ComSoc — Cerf, Kahn, Kleinrock, Lucky, Baran, Viterbi, and many more.


Communicrostics: 300 Technology Puzzles Compiled from IEEE Communications Magazine - 1981-2008

First appearing in the IEEE Communications Magazine in 1981, the 300 CommuniCrostic Puzzles were created over the time by Dr. Paul Green, an outstanding pioneer in the industry. This 400-page master collection of CommuniCrostic puzzles captures the 30 years of telecom evolution in its buzzwords.


The History of the Internet and Its Flexible Future

Dr. Leonard Kleinrock’s 1.5 hour commemorative address at IEEE GLOBECOM 2007 50th Anniversary on DVD. He vividly guides you through the history of the Internet, with his early vision of the Internet and the vision for it in the future.


Communications Society Conference Proceedings on CD ROM

Selected Communications Society conference proceedings are available in CD ROM formats. Contact Customer Service at IEEE for price and availability.

Libraries

Government, institutional, and corporate libraries can purchase electronic access to Communications Society publications through several IEEE subscription options including the IEEE Communications Library. Individual papers are available for purchase electronically through IEEE Xplore or the Communications Society Digital Library. Visit: www.ieee.org.

Standards

## ComSoc Publications
### 2011 Subscription Rates At-A-Glance

IEEE Communications Society 2011 Membership Dues - $25. Includes online access, and digital delivery. Print subscription to IEEE Communications Magazine is $33 additional.

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<th>PUBLICATIONS</th>
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<th>Member rate</th>
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Member half year rates begin 1 March, please consult the ComSoc www site. Rates for student members are 50% of higher grade rates.
A

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