ComSoc Key Events

The IEEE Communications Society actively sponsors and co-sponsors cutting edge conferences, symposia and workshops.

Held at convenient locations around the world, these meetings attract thousands of participants who have much to share beyond their strong desire to listen. The contacts, ideas, and fellowship make Communications Society conferences and workshops ideal opportunities to learn about the latest technical developments and network with the leaders who are changing the world of communications.

www.comsoc.org/~confs
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Joe LoCicero  Related Societies

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Robert Blake  Len Cimini
Jerry Gibson  Larry Greenstein

ComSoc Presidents

www.comsoc.org/socstr/org/bog/officers/comsocprez.html
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Information updated as of May 1st. When additional information is provided, it will be updated on the Web pages www.comsoc.org.
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www.comsoc.org/~bog

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Jorg Liebeherr  Naohisa Ohta  Len Cimini*
Joe LoCicero  Stan Moyer*  Jerry Gibson
Chung-Sheng Li  Heinrich Stuettgen  Larry Greenstein

IEEE DIVISION III (Elected - Voting)

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Division III Director-Elect ............................. Mark Karol

* Operating Committee (OpCom) members (Directors and CIO attend each meeting as determined by President.)
TECHNICAL ACTIVITIES
www.comsoc.org/socstr/org/operation

Vice President .................................................. Harvey Freeman
Staff ................................................................. Carole Swaim

TECHNICAL ACTIVITIES COUNCIL
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Secretary ......................................................... Fred Bauer
TAC Liaison to M&C ........................................... Kazem Sohraby

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Communications Quality and Reliability .................. Karl Rauscher
Communications Software ................................... Algirdas Pakstas
Communications Switching & Routing ..................... Wojciech Kabacinski
Communications Systems Integration & Modeling ........ Nelson Fonseca
Communication Theory ....................................... Costas Georgiades
Computer Communications ................................ Jorg Liebeherr
Enterprise Networking ......................................... Gabe Jakobson,
High-Speed Networking ..................................... Joe Evans
Information Infrastructure .................................... Mehmet Ulema
Internet ............................................................... Markus Hofmann
Multimedia Communications ................................ Heather Yu
Network Operations and Management ..................... James Hong
Optical Networking ............................................. Biswanath Mukherjee
Personal Communications ................................... Halim Yanikomeroglu
Radio Communications ...................................... Moe Win
Satellite and Space Communications ....................... Abbas Jamalipour
Signal Processing and Communications Electronics .... Bin Qin
Signal Processing for Storage ................................ Alek Kavcic
Tactical Communications .................................... Ken Young
Transmission, Access and Optical Systems ................. Jaafer Elmirghani

Board Chair & Standing Committee Chairs on TAC
www.comsoc.org/socstr/org/operation/techcom/related.html

STANDING COMMITTEES
Awards .............................................................. Mike Kincaid
Distinguished Lecturers Selection ........................... Fred Bauer
Emerging Technologies ......................................... Len Cimini
Fellow Evaluation .............................................. Rob Calderbank
Technical Committees Recertification ........................ Harvey Freeman

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Roberto deMarca Howard Blank Joe LoCicero Fred Bauer
Paul Nikolich Jerry Peterson Ray Hapeman Khaled Amer
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.

**Communications Quality and Reliability (CQR)**

www.comsoc.org/~cqr

Chair .......................................................... Karl Rauscher
Chair-Elect ..................................................... Kenichi Mase
Vice Chair - Operations .................................... Hiromi Ueda
Vice Chair - Programs ........................................ P.J. Aduskevicz
Vice Chair - Publications ................................... Chi-Ming Chen
Secretary ...................................................... Anil Macwan
Treasurer-Parliamentarian ................................. Richard Blue

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)**

www.comsoc.org/~commsoft

Chair .......................................................... Algirdas Pakstas
Vice Chair ..................................................... Pascal Lorenz
Secretary ...................................................... Nikola Rozic

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**

www.comsoc.org/~cswt

Chair .......................................................... Wojciech Kabacinski
Vice Chair ...................................................... Abbas Jamailipour
Secretary ...................................................... Larry Xue

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)
www.comsoc.org/~csim
Chair ................................................. Nelson Fonseca
Vice Chair .......................................... Pascal Lorenz
Secretary ........................................... Fabrizio Granelli

This committee is concerned with the 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
www.comsoc.org/~comtheory
Chair ................................................. Costas Georghiades
Vice Chair .......................................... Len Cimini
Secretary ........................................... Mohamed-Slim Alouini

This committee sponsors conference sessions, workshops, tutorials, as well as promoting and reviewing 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)
www.comsoc.org/~tccc
Chair ................................................. Jorg Liebeherr
Vice Chair .......................................... Ken Calvert
Secretary ........................................... Kang-won Lee
Conference Coordinator ......................... Mohsen Guizani

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.
Enterprise Networking (EntNet)
www.comsoc.org/~entnet
Chair ................................................................. Gabe Jakobson
Vice Chair ............................................................ Latif Ladid
Technical Program Co-Chair ............................... Samir Chatterjee
Technical Program Co-Chair ............................... Vinay Chandhok
Secretary ............................................................ Fethi Rabhi

This committee focuses on "end-to-end" solutions, addressing topics such as re-engineering of business processes around computers and communications, end-to-end network design and integration of subsystems, interconnection and interoperability of all components of an enterprise network, including Local/Wide/Global Area Networks, networked applications and services. It addresses the needs of vertical markets, such as healthcare, finance and telecommunications with respect to functional (e.g., VPNs and ERP) as well as non-functional (e.g., security and management) requirements.

High-Speed Networking (TCHSN) – formerly Gigabit Networking
www.comsoc.org/~tchsn
Chair ................................................................. Joe Evans
Vice Chair/Secretary ................................. Chunming Qiao
Technical Activities Chair ............................... Andrea Fumagalli

This committee promotes interest within and outside the Communications Society on the 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.

Information Infrastructure (TCII)
www.comsoc.org/~tcii
Chair ................................................................. Mehmet Ulema
Vice Chair ............................................................ Raouf Boutaba
Secretary ............................................................ Jose Marcos Nogueira

This committee identifies and exchanges knowledge on issues related to National Information Infrastructure (NII) and Global Information Infrastructure (GII). It stimulates interdisciplinary conferences, sessions, workshops, publications, and standards activities, and offers leadership and support to the Communications Society in furthering its own use of the national and global information infrastructures.
**Internet**

www.comsoc.org/~itc

Chair ................................................................. Markus Hofmann  
Vice Chair ......................................................... Dinesh Verma  
Secretary ........................................................... Amitabh Mishra

This committee is a joint committee of the Internet Society and the IEEE 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)**

www.comsoc.org/~mmc

Chair ................................................................. Heather Yu  
Vice Chair, North America ................................. Yucel Altunbasak  
Vice Chair, Asia Pacific ........................................... Gary Chan  
Vice Chair, Europe Africa & Middle East .................. Pascal Frossard  
Vice Chair, South America ................................. Nelson Fonseca  
Secretary ........................................................... Giovanni Pau

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)**

www.comsoc.org/~cnom

Chair ................................................................. James Hong  
Vice Chair ........................................................... Carlos Becker Westphall  
Technical Program Chair .......................................... Young-Tak Kim  
Secretary ........................................................... 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)  
www.comsoc.org/~ontc  
Chair ...................................................... Biswanath Mukherjee  
Vice Chair ................................................... Ioannis Tomkos  
Secretary .................................................... Jason P. Jue  
Past Chair .................................................. Hussein Mouftah  
Online Content ........................................... Byrav Ramamurthy  
OIF Liaison ................................................. Doug Zuckerman

The 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 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.

Personal Communications (TCPC)  
www.comsoc.org/~tcpc  
Chair ...................................................... Halim Yanikomeroglu  
Vice Chair ................................................... Chengshan Xiao  
Secretary .................................................... Mohsen Guizani

The mission of this technical committee is to sponsor publications, conferences, technical sessions, workshops, and other information exchanges on architectures, applications, systems, terminals and technologies to provide personal, location-independent communication and computing in voice, data and visual media. Its areas of interest include techniques for achieving portability, ubiquity and transparency using wireless networks ranging from microcellular to satellite, and wired networks ranging from narrow to broadband.

Radio Communications (RCC)  
www.comsoc.org/~rcc  
Chair ...................................................... Moe Win  
Vice Chair .................................................. Istvan Frigyes  
Secretary ................................................... Ian Oppermann

This committee sponsors and promotes technical papers, workshops, and tutorials on the engineering aspects of communications systems, equipment, and operation in which electromagnetic 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 personal communications radio access. (Commercial band broadcasting and space communications are outside the scope of the Committee.)
Satellite and Space Communications (SSC)
www.comsoc.org/~ssc
Chair ..................................................... Abbas Jamalipour
Vice Chair ............................................. Mario Marchese
Secretary ............................................. Michael Hadjitheodosiou

This committee facilitates technical exchange in the field of satellite and space communications and maintains a keen interest in the development and maintenance of standards in this area. It explores the evolution of new satellite and space-based systems and the application of new and emerging technologies.

Signal Processing and Communications Electronics (SPCE)
www.comsoc.org/~spce
Chair ..................................................... Bin Qiu
Secretary and Webmaster ......................... Yumin Lee

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. In so doing, the committee also has as a goal the professional development of committee members and other practitioners that work in the above areas.

Signal Processing for Storage (SPS)
www.comsoc.org/~sps
Chair ..................................................... Alek Kavcic
Academic Vice Chair ............................... George Mathew
Secretary ............................................. Haitao Xia

This committee promotes advances in the state of the art of coding and signal processing to enhance digital data storage systems, in order to achieve high storage densities, fast access, and low error rates. The committee is also interested in VLSI implementations of read/write channel electronics.
Tactical Communications (TCTC)
www.comsoc.org/~tctc

Chair..................................................................................... Ken Young

The mission of this committee is to provide an open forum in which professionals in defense and disaster recovery related industries; government agencies and academic institutions can exchange knowledge and cooperate to advance the state of the art in tactical communications. The committee sponsors conferences, publications, workshop, technical sessions at Society meetings and other forums for information exchange among its members.

Transmission, Access and Optical Systems (TAOS)
www.comsoc.org/~taos

Chair ................................................................. Jaafar Elmirghani
Vice Chair ............................................................ Mohsen Guizani
Secretary ............................................................... Stefano Bregni

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.
MEMBERSHIP SERVICES
www.comsoc.org/socstr/org/operation

Vice President, Doug Zuckerman

Staff
Joe Milizzo  Brian Bigalke  Carole Swaim
John Pape  David Alvarez

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Director - Journals ......................................................... Des Taylor
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Chair, Bill Tranter

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Chair, James Hong

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Journals Board
Chair, Des Taylor
Members
(Appointed by Director)
EIC, IEEE Transactions on Communications ...................... Ender Ayanoglu
EIC, IEEE Journal on Selected Areas in Communications (J-SAC) . . . Nick Maxemchuk
EIC, JSAC Optical Communications & Networking Series (OCN) . . Vincent Chan
EIC, IEEE/ACM Transactions on Networking ..................... Ellen Zegura
EIC, IEEE Communications Letters ............................... Ezio Biglieri
EIC, IEEE Transactions on Wireless Communications .......... Khaled Ben-Letaief
Steering Committee, IEEE/OSA Journal of Lightwave Technology
............................................................................................................................ Karen Liu, Pat Trischitta
Steering Committee, IEEE/ACM Transactions on Networking . . Jim Kurose (Chair)
............................................................................................................................ Victor Frost, Izhak Rubin
Steering Committee, IEEE Transactions on Multimedia ........ Des Taylor
............................................................................................................................ Heather Yu
Steering Committee, IEEE Transactions on Wireless Communications
............................................................................................................................ Bill Tranter (Chair)
............................................................................................................................ Len Cimini, Vijay Bhargava
Steering Committee, IEEE Transactions on Mobile Computing
............................................................................................................................ C.K. Toh, Mahmoud Naghshineh

Magazines Board
Chair, Andrzej Jajszczyk
Members
(Appointed by Director)
EIC, IEEE Communications Magazine ............................... Roch Glitho
Associate EIC, IEEE Communications Magazine ............. Tom Chen
EIC, IEEE Network Magazine ........................................ Chatschik Bisdikian
EIC, IEEE Wireless Communications Magazine ............. Michele Zorzi
Editor, The Global Communications Newsletter ............. Nicolas Oaca
Area Co-Editors, Optical Communications Supplement .... Chunjing Qiao
............................................................................................................................ Stam Kareloupolous
Area Editor, Radio Communications Supplement ............. Joseph Mitola
Editor, IEEE Interactive Magazines ............................... Ching-Wen Chen
EIC, IEEE Communications Surveys & Tutorials ............. Martin Reisslein
Editor, ComSoc e-News .............................................. Nelson Fonseca
ComSoc Representatives (Liaisons) to other Editorial Boards:

IEEE Press ................................................................. Mansoor Shafi
IEEE Multimedia Magazine ...................................... Chang Wen Chen
Internet Computing Magazine ................................. G.S. Kuo
Pervasive Computing ............................................. Mahmoud Naghshineh
Steering Committee, Pervasive Computing .................... Zygmunt Haas (Chair)
............................................................................................................................ Chatschik Bisdikian
............................................................................................................................ Joan Garcia-Haro

Technically cosponsored Magazines and Journals are found at:
www.comsoc.org/pubs
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TAC Liaison to M&C ........................................ Kazem Sohraby
ICC & Globecom Liaison to TAC ......................... Heinrich Stuttgen

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Joe LoCicero*  Chih-Lin I*
Scott Marcus*  Paul Hartmann

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Nim Cheung* ............Optical
Heinrich Stuettgen* ....Internet
Raouf Boutaba* .........Network Management

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Ron Smith ...............Industry Initiatives
Masayoshi Ejiri* ........Strategic Planning

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Terry Kero ..............Design & Developers Forum/Expo
Roberto de Marca ......WCNC
Harvey Freeman ........INFOCOM/SECON
Bob Blake ...............GLOBECOM/ICC
Rob Fish .................CCNC
Hamid Aghvami ........PIMRC
Raouf Boutaba ............NOMS/IM
Gabe Jakobsen ...........EntNet
Heather Yu ..............ICME
Iwao Sasase ............Director - Asia/Pacific Region

*Voting Member
Consumer Communications and Networking Conference

CCNC is ComSoc's flagship consumer networking conference. It is held every January, preceding CEA’s Consumer Electronics Show in Las Vegas. CCNC presents research results in core physical layer technologies, protocols, and middleware relevant to consumer networking, in related enabling technologies, and in advanced consumer devices, applications, and services. The conference features technical paper and poster sessions, tutorials, technology applications panels, and exhibits of research prototypes.

CCNC 2005 - Las Vegas, NV, USA
www.ieee-ccnc.org/2005

General Chair .................................................. Naohisa Ohta
Technical Program Chair ........................................ Raouf Boutaba
Technical Program Vice Chair ............................... Burkhard Stiller
Technical Program Vice Chair ............................... Martin Karsten
Technical Program Vice Chair ............................... Madjid Merabti
Technical Program Vice Chair ............................... Alan Kaplan
Finance Chair .................................................. Michael Kincaid

CCNC 2006 - Las Vegas, NV, USA
www.ieee-ccnc.org/

General Chair ................................................. V. Michael Bove, Jr,
Technical Program Chair ..................................... Heather Yu
Technical Program Vice Chair ............................... Günter Schaefer

Symposium on New Frontiers in Dynamic Spectrum Access Networks

DySPAN is ComSoc's premier conference on DSA Networks, bringing the technologists together with the spectrum policy community that will be charged with re-architecting the legal regime for managing spectrum in the 21st century to accommodate these new technologies.

DySPAN 2005 - Baltimore, MD, USA
www.ieee-dyspan.org

General Chair ............................................... Paul Kolodzy
Technical Program Committee Co-Chair .................. Dale Hatfield
Technical Program Committee Co-Chair .................. Preston Marshall
Policy Program Committee Co-Chair ...................... Peter Tenhula
Policy Program Committee Co-Chair ...................... Phil Weiser
IEEE GLOBECOM
Global Communications Conference

GLOBECOM (and ICC) are ComSoc’s flagship conferences. GLOBECOM offers a full program of technical and professional activities spanning the entire range of hot topics in voice, data, image and multimedia communications. GLOBECOM takes place annually, typically in November.

IEEE GLOBECOM 2005 – St. Louis, MO, USA
www.ieee-globecom.org/2005
General Chair ................................................................. Ann Miller
General Vice-Chair ......................................................... Ken Owens
Technical Program Chair .................................................. Steve Watkins
Finance Chair ............................................................... Hardy Pottinger

IEEE GLOBECOM 2006 – San Francisco, CA, USA
General Chair ................................................................. Terry Kero
Finance Chair ............................................................... Edward Lee

IEEE ICC
International Conference on Communications

ICC spans the entire range of hot topics in voice, data, image and multimedia communications. This conference takes place annually, typically in June.

IEEE ICC 2005 – Seoul, Korea
www.icc05.org
General Chair ................................................................. Yong-Kyung Lee
Vice Chair ................................................................. Ki Tae Lee
Vice Chair ................................................................. Chu-Hwan Yim
Technical Program Chair ............................................ Byeong Gi Lee
Technical Program Vice-Chairs ................. Dan Keun Sung, Daehyounq Hong
Organizing & Finance Committee Chair ................................ Sanghoon Lee

IEEE ICC 2006 - Istanbul, Turkey
www.icc06.org
General Chair ................................................................. Lutfi Yenel
Vice Chair ................................................................. Hikmet Sari
Technical Program Co-Chairs .................. Erdal Panayirci, Mehmet Ulema
Technical Program Vice-Chairs .................. Baron Kozbe, Umit Uyar
Finance Co-Chairs .......................................................... Hakan Ali Cirpan, Bruce Worthman
Conference on Computer Communications

This annual conference addresses key topics and issues related to computer communications, with emphasis on traffic management and protocols.

INFOCOM 2005 – Miami, FL, USA
www.ieee-infocom.org/2005
General Chair ................................................................. Taieb Znati
Technical Program Co-Chairs .................................... Edward Knightly, Kia Makki
Technical Program Vice Chair ................................. Yuguang (Michael) Fang
International Vice Chairs ............................. Xiaohua Jia, Kia Makki, Chistos Douligeris
................................................................. Imrich Chlamtac, Niki Pissinou, Yi-Bing Lin
Finance Co-Chairs ............................................. E. K. Park, Senad Busovaca

INFOCOM 2006 – Barcelona, Spain
General Chair ................................................................. Jordi Domingo-Pascual
Technical Program Co-Chairs .................................... Arturo Azcorra
Technical Program Co-Chairs .................................... Joe Touch
Technical Program Co-Chairs ..................................... Zhi-Li Zhang

Military Communications Conference

MILCOM meets annually and has a program of technical sessions, tutorials and workshops focusing on the technology, systems and operations for military and tactical communications networks.

MILCOM 2005 - Atlantic City, USA
www.milcom2005.org/
General Chair ................................................................. Adam Drobot
Executive Director .......................................................... Rudy Rudewick
Technical Program Chair (unclassified) ...................... Nim Cheung, Ken Young
Technical Program Chair (classified) .......................... Gary Martin

MILCOM 2006 - Washington, DC, USA
www.milcom2006.org/
Executive Chair ................................................................. Otto Guenther
Executive Program Director ............................................. Gerry Robbins
Technical Program Chair (classified & unclassified) ............ Rick Vasquez
NOMS & IM

Network Operations & Management Symposium
IFIP/IEEE International Symposium on Integrated Network Management

NOMS and IM are the premier conferences on network management. NOMS meets in even-numbered years, typically during March. It has a full program of technical sessions, tutorials, panels, posters, keynotes and exhibits that focus on managing networks that span the telecommunications and computing areas. IM meets in odd-numbered years, typically during May, has a full program of technical sessions, tutorials, panels, posters, and exhibits that focus on managing networks that span the computing and telecommunications areas.

IM 2005 – Nice, France
www.ieee-im.org/2005

General Chair ................................................................. Seraphin Calo
Technical Program Chairs ............................................. Olivier Fester
.................................................................................. Alexander Clemm
.................................................................................. Aiko Pras
Finance Chairs ............................................................. James Hong, Alex Keller

Optical Fiber Communications Conference and Exposition

Held jointly with the Optical Society of America (OSA) and the IEEE Lasers and Electro-Optics Society (LEOS) and managed by the OSA, this annual event presents the latest in the rapidly evolving technology and applications of optical fiber communications.

OFC/NFOEC 2005 – Anaheim, CA, USA
www.ofcconference.org

General Co-Chair ......................................................... Thomas Afferton
General Co-Chair ........................................................... Douglas Baney

OFC/NFOEC 2006 – Anaheim, CA, USA
www.ofcconference.org

OFC/NFOEC General Chairs ........................................... Thomas Strasser
.................................................................................. Patrick Iannone, AT&T Labs
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International Symposium on Personal Indoor and Mobile Radio Communications

PIMRC, founded in 1989, is a major international conference that brings the computer networking and wireless research communities together. It is uniquely identified by a balance of academia, industry, and governmental involvement. Held annually, PIMRC’s conference topics are presented through keynotes, tutorials, technical and panel sessions.

PIMRC 2005 - Berlin Germany
pimrc2005.de/Conferences_en/pimrc+2005

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SECON
Conference on Sensor and Ad Hoc Communications and Networks

SECON is ComSoc’s flagship annual conference focusing on the communications, networking, systems and algorithmic aspects of sensor and ad hoc networks and systems. It provides a forum for researchers, practitioners, standard developers and policy makers to exchange ideas, techniques and applications, and discuss best practices.

SECON 2005, Santa Clara, CA, USA
http://inrg.cse.ucsc.edu/secon05/home.html

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WCNC
Wireless Communications & Networking Conference

WCNC is ComSoc’s wireless flagship conference. It focuses on all aspects of nomadic and wireless technologies, systems, services and applications. WCNC is an expanded format of ICUPC covering wireless topics including ATM, Internet, multimedia, networking and standards.

WCNC 2005 - New Orleans, LA, USA
www.ieee-wcnc.org/2005

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Roberto Saracco
Vice President
<table>
<thead>
<tr>
<th>Related Societies</th>
<th></th>
</tr>
</thead>
</table>
| **USA** | Internet Society (ISOC)  
Optical Society of America (OSA)  
Association of Computing Machines (ACM)  
IEEE Societies (CS, SPS, CAS, LEOS, PES, MTT) |
| **BRAZIL** | Sociedade Brasileira de Telecomunicações (SBT) |
| **CHINA** | China Institute of Communications (CIC) |
| **CHINA** | The Chinese Institute of Electronics (CIE) |
| **CROATIA** | Communications and Information Society, Croatia (CCIS) |
| **CZECH REP/ SLOVAKIA** | Czech and Slovak Society for Radioengineering (SR) |
| **FRANCE** | Société de l Electricité, de l Electronique et des Technologies de l Information et de la Communication (SEE) |
| **GERMANY** | Verband der Elektrotechnik Elektronik Informationstechnik (VDE) |
| **HUNGARY** | The Scientific Association for Infocommunications (HTE) |
| **INDIA** | The Institute of Electronics & Telecommunications Engineers (IETE) |
| **ISRAEL** | Society of Electrical & Electronics Engineers in Israel (SEEI) |
| **ITALY** | Federazione Italiana di Elettrotecnica, Elettronica, Automazione, Informatica e Telecomunicazioni (AEIT) |
| **JAPAN** | The Institute of Electronics, Information & Communication Engineers (EIICE) |
| **KOREA** | The Korean Institute of Communication Sciences (KICS) |
| **LATVIA** | Latvian Information Technology & Telecommunications Association (LITTA) |
| **RUSSIA** | The Russian Popov Society for Radio Engineering, Electronics, & Communications (Popov) |
| **SLOVENIA** | The Electrotechnical Association of Slovenia (EZS) |
| **TAIWAN** | Chinese Institute of Electrical Engineering (CIEE) |
| **VIETNAM** | The Radio & Electronics Association of Vietnam (REV) |
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Umberto Mengali
Ariel Orda
Hikmet Sari

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Rob Calderbank
Steve Gorshe
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Mohammed Atiquzzaman
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G.S. Kuo
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VP - Membership Development ........................... Alex Gelman
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Dynamic Policy-Based Control in Distributed Systems ............... Petre Dini
IEEE Communications Security ........................................... Stam Kartalopoulos
Broadband Over Power Lines ............................................. Stefano Galli
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Communications Design and Development.............................. Terry Kero

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................................................................. Mark Karol (TAB)

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Kazem Sohraby

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...................................................................................... Doug Zuckerman
# SOCIETY REPRESENTATIVES TO IEEE

www.comsoc.org/~socreps

## Nanotechnology Council

<table>
<thead>
<tr>
<th>Name</th>
<th>Term</th>
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<tbody>
<tr>
<td>Ted Sargent</td>
<td>2004-05</td>
</tr>
<tr>
<td>Robert L. Baldwin</td>
<td>2004-05</td>
</tr>
<tr>
<td>Maria Yung</td>
<td>2005-06</td>
</tr>
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<td>Ioannis Tomkos</td>
<td>2005-06</td>
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## ICME Steering Committee

**International Conference on Multimedia**

<table>
<thead>
<tr>
<th>Name</th>
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<tbody>
<tr>
<td>Nelson Fonseca</td>
<td>2004-05</td>
</tr>
<tr>
<td>Pascal Frossard</td>
<td>2004-05</td>
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<td>Heather Yu</td>
<td>2004-05</td>
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## OFC Steering Committee

<table>
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<tr>
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<tr>
<td>Nim Cheung</td>
<td>2004-07</td>
</tr>
<tr>
<td>Tom Afferton</td>
<td>2002-08</td>
</tr>
<tr>
<td>Stu Personick</td>
<td>2005-08</td>
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<td>Adel Saleh</td>
<td>2003-06</td>
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## PACE (Professional Activities Council for Engineers)

<table>
<thead>
<tr>
<th>Name</th>
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<tr>
<td>Pierre Perra</td>
<td>2004-05</td>
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## Sensors Council

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<tr>
<td>Harvey Freeman</td>
<td>2004-05</td>
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## IEEE Board of Directors (BOD)

<table>
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<tr>
<th>Committee</th>
<th>Chair</th>
<th>Term</th>
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<tbody>
<tr>
<td>Audit Committee</td>
<td>Roberto de Marca</td>
<td>2004-05</td>
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<tr>
<td>Board of Directors</td>
<td>Roberto de Marca</td>
<td>2004-05</td>
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<tr>
<td>Fellows Committee</td>
<td>Steve Weinstein</td>
<td>2004-05</td>
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<tr>
<td>IEEE Standards Association</td>
<td>Alex Gelman</td>
<td>2005</td>
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<tr>
<td>Information Technology Strategy Committee (ITSC)</td>
<td>Howard Blank</td>
<td>2004-05</td>
</tr>
<tr>
<td>Marketing &amp; Sales</td>
<td>Roberto de Marca</td>
<td>2005</td>
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<tr>
<td>Meetings &amp; Services</td>
<td>Roberto de Marca</td>
<td>2005</td>
</tr>
<tr>
<td>Nominations &amp; Appointments (IEEE)</td>
<td>Steve Weinstein</td>
<td>2004-05</td>
</tr>
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<td>Transnational Committee</td>
<td>Celia Desmond</td>
<td>2004-05</td>
</tr>
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<table>
<thead>
<tr>
<th>Committee</th>
<th>Chair</th>
<th>Term</th>
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<tbody>
<tr>
<td>Technical Activities Board</td>
<td>Roberto de Marca</td>
<td>2004-05</td>
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<tr>
<td>Information Technology Steering Committee</td>
<td>Howard Blank</td>
<td>2005</td>
</tr>
<tr>
<td>New Technology Directions Committee</td>
<td>Roberto de Marca</td>
<td>2004-05</td>
</tr>
<tr>
<td>Nominations &amp; Appointments Committee</td>
<td>Steve Weinstein</td>
<td>2004-05</td>
</tr>
<tr>
<td>Periodicals Committee</td>
<td>Curtis Siller</td>
<td>2003-05</td>
</tr>
<tr>
<td>Products &amp; Services Committee</td>
<td>Mark Karol</td>
<td>2004-05</td>
</tr>
</tbody>
</table>
HEADQUARTERS STAFF
www.comsoc.org/~staff

3 Park Avenue, 17th Floor, New York, NY 10016
Phone: +1 212 705 8900
Fax: +1 212 705 8999
society@comsoc.org

Executive Director
Jack Howell
+1 212 705 8910
j.howell@comsoc.org

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Executive and administrative support for President, Board of Governors, other volunteer leadership.

Department Head
Carole Swaim
+1 212 705 8970
c.swaim@comsoc.org

FINANCE AND ADMINISTRATION
Financial management, office/facilities management and administration.

Department Head
Bruce Worthman
+1 212 705 8911
b.worthman@comsoc.org

Associate Finance & Administration
Sharon McCants
+1 212 705 8972
s.mccants@comsoc.org

Society Assistant
Jodi Riccardi
+1 212 705 8944/8900
j.riccardi@comsoc.org

ADVERTISING SALES
Advertising management and sales for print and online publications.

Advertising Sales Manager
Eric Levine
+1 212 705 8920
e.levine@comsoc.org

INFORMATION SYSTEMS
Management, administration, and support of information systems and networking; web development and administration.

Department Head
David Alvarez
+1 212 705 8930
d.alvarez@comsoc.org

IT Project Manager
Joel Basco
+1 212 705 8937
j.basco@comsoc.org

NT Network Administrator
Joaquin Tejada
+1 212 705 8931/8949
j.tejada@comsoc.org

Web Administrator
Natasha Simonovski
+1 212 705 8933
n.simonovski@comsoc.org
**PC/WWW Specialist**
Tony Ruiz
+1 212 705 8932
a.ruiz@comsoc.org

**MARKETING**
Membership development and marketing; promotional support for conferences, print and on-line publications, and products; membership/subscriptions database oversight.

**Department Head**
John Pape
+1 212 705 8950
j.pape@comsoc.org

**Project Specialist**
Ting Qian
+1 212 705 8951
t.qian@comsoc.org

**Desktop Production Specialist**
Kerrianne Sullivan
+1 212 705 8952
k.sullivan@comsoc.org

**MEETINGS AND CONFERENCES**
Project management support for meetings and conferences – new program initiatives, approvals, site/date selections, on-site logistics, policies/procedures, marketing, budget administration/financial reports. (Dept. Fax: +1 212 705 8996)

**Department Head**
Brian Bigalke
+1 212 705 8971
b.bigalke@comsoc.org

**Sr. Project Manager**
Debora Kingston
+1 212 705 8942
d.kingston@comsoc.org

**Project Manager**
Gayle Weisman
+1 212 705 8941
g.weisman@comsoc.org

**Sr. Project Manager**
June Leach-Barnaby
+1 212 705 8940
j.leach-barnaby@comsoc.org

**Senior Administrator**
Phyllis O’Neill
+1 212 705 8946
p.curran@comsoc.org

**Administrator**
Joe Cuccaro
+1 212 705 8943
j.cuccaro@comsoc.org

**PUBLICATIONS**
Publishing, support, and coordination for print and web-based magazines.

**Department Head**
Joe Milizzo
+1 212 705 8960
j.milizzo@comsoc.org

**Digital Production Manager**
Sue Lange
+1 212 705 8963
s.lange@comsoc.org

**Associate Editor**
Cathy Kemelmacher
+1 212 705 8962
c.kemelmacher@comsoc.org

**Digital Production Specialist**
Jennifer Porcello
+1 212 705 8961
j.porcello@comsoc.org
REGION 1 - North America (USA)

CENTRAL NEW ENGLAND COUNCIL (CNEC)
Jim Mollenauer
Technical Strategy Associates
37 Silver Birch Road
Newton, MA 02468 USA
Tel: +1 617 244 0077
Email: jmollenauer@technicalstrategy.com

CONNECTICUT
Kourosh Parsa
12 Amherst Road
Riverside, CT 06878 USA
Email: kparsa@3g-gprs.com

LONG ISLAND
David Mesecher
9 Beverly Road
Huntington Station, NY 11746 USA
Tel: +1 516 346 7041
Email: d.mesecher@ieee.org

MAINE
Ali Abedi
University of Maine
Dept. Elect. & Comp. Eng.
Orono, ME 04469 USA
Tel: +1 207 581 2231
E-mail: abedi@ieee.org

MOHAWK VALLEY
Brian Spink
RD 1, Box 215
Sly Hill Road
Ava, NY 13303 USA
Tel: +1 315 330 7596
Email: spinkb@rl.af.mil; brian-spink@rl.af.mil

Greg Hadynski
AFRL/IFGC
525 Brooks Road
Rome, NY 13441-4505 USA
Tel: +1 315 330 4094
Email: hadynskig@rl.af.mil

NEW JERSEY COAST (Com/C)
Rulei Ting
P.O. Box 81
Holmdel, NJ 07733 USA
Tel: +1 732 706 0968
Email: rt@ieee.org

NEW JERSEY COAST
Frank Feather
3 Pin Oak Road
Englishtown, NJ 07726-8426 USA
Tel: +1 732 949 5483
Email: feather@lucent.com

NEW YORK
Lawrence Muller
LaGuardia Community College
31-10 Thomson Ave
Long Island City, NY 11101 USA
Tel: +1 718 349 4045
Email: lawrencemuller@hotmail.com

NORTH JERSEY
Nirwan Ansari
NJ Institute of Technology
Univ. Hts./323 King Blvd.
Newark, NJ 07102 USA
Tel: +1 973 596 3670
Email: ansari@njit.edu
PRINCETON-CENTRAL JERSEY
S. Shamsunder
19 Hansorn Rd
Basking Ridge, NJ 07920 USA
Tel: +1 908 781 1215
Email: sanyo@ieee.org

ROCHESTER
Fred Kellerman
365 Holt Road
Webster NY 14580 USA
Email: fred.kellerman@ieee.org

Shanchieh Jay Yang
Rochester Institute of Tech.
Dept. Computer Engineering
83 Lomb Memorial Drive
Rochester, NY 14623 USA
Tel: +1 585 475 6434
Email: Jay.Yang@rit.edu

SYRACUSE
Biao Chen/Lisa Ann Osadciw
Syracuse University
121 Link Hall
Syracuse, NY 13244 USA
Tel: +1 315 443 3332
Email: bichen@ecs.syr.edu
Email: laosadci@sy.edu

REGION 2 – NORTH AMERICAN (USA)

BALTIMORE
Thad Welch
1114 River Bay Rd
Annapolis, MD 21401 USA
Tel: +1 410 293 6163
Email: t.b.welch@ieee.org

COLUMBUS
Sol Black
6910 Prior Place
Reynoldsburg, OH 43068 USA
Tel: +1 614 322 7209
Email: solblack@ieee.org

NORTHERN VIRGINIA
Dennis Moen
9206 Byron Terrace
Burke, VA 22015 USA
Tel: +1 703.625 2611(cell)
Email: dennis.moen@ieee.org

PHILADELPHIA
Moshe Kam
P.O. Box 42393
Philadelphia, PA 19101 USA
Tel: +1 215 895 6920
Email: kam@minerva.ece.drexel.edu

PITTSBURGH
Prashant Krishnamurthy
University of Pittsburgh
IS Building, #740
135 N. Bellefield Ave.
Pittsburgh, PA 15213 USA
Tel: +1 412 624 5144
Email: prashant@tele.pitt.edu

WASHINGTON (DC)
Doug Holly
20264 Darlington Drive
Montgomery Village, MD 20886 USA
Tel: +1 240 404 1601
Email: dougholly@ieee.org

WASHINGTON (Southern MD)
Frederick Heather
45870 Bob’s Court
Lexington Park, MD 20653 USA
Tel: +1 301 342 6975
Email: fred.heather@jsf.mil

REGION 3 – NORTH AMERICA (USA)

ALABAMA
Position Vacant

ATLANTA
Joseph Long
120 Ralph McGill Blvd., Suite 804
Atlanta, GA 30308 USA
Tel: +1 404 894 3541
Email: jlong@ieee.org;
joe.long@gtri.gatech.edu
BROWARD
Position Vacant

CENTRAL NORTH CAROLINA
Position Vacant

CHARLOTTE
Robert Beazley
P.O. Box 1538
Davidson, NC 28036 USA
Tel: +1 704 892 1477
Email: consulting@ieee.org

COASTAL SOUTH CAROLINA
Jack Stinson
5 Kilmarnock Way
Charleston, SC 29414 USA
Tel: +1 843 760 3581
Email: stinson@ieee.org

EASTERN NORTH CAROLINA
Thomas Jepsen
515 Morgan Creek Road
Chapel Hill, NC 27517 USA
Tel: +1 919 933 0377
Email: tjepsen@mindspring.com

FLORIDA WEST COAST (Tampa)
Huseyin Arslan
University of South Florida
4202 E. Fowler Avenue
ENB 118
Tampa, FL 33620 USA
Tel: +1 813 974 4344
Email: ARSLAN@ENG.USF.EDU

HUNTSVILLE
Perry Vanderford
7708 Treeline Drive
Huntsville, AL 35802 USA
Tel: +1 256 876 1723
Email: Perry.Vanderford@us.army.mil

JAMAICA
Dennis Hartley
37 Orville Drive
Kingston 3, Jamaica
Tel: +1 876 928 4717
Email: d.hartley@ieee.org

MELOURNE (Joint)
Cypryan T. Klish
8075 Kingswood Way
Melbourne, FL 32940 USA
Tel: +1 321 727 4694
Email: cypryanklish@bellsouth.net

MIAMI
Kia Makki
Florida International Univ.
IT2, EAS 2910 College of Engineering
10555 W. Flagler Street
Miami, FL 33174 USA
Tel: +1 305 588 8191
Email: makkik@fiu.edu

NORTHWEST FLORIDA
Robert L. Riley
146 4th Avenue
Shalimar, FL 32579-1907 USA
Tel: +1 850 882 8876
Email: rlrjr@ieee.org

ORLANDO
Tom Wandeloski
5524 Forest Oak Point
Lake Forrest, FL 32771 USA
Tel: +1 407 474 8488
Email: twandeloski@ieee.org

PALM BEACH
Hari Kalva
Florida Atlantic University
S&E 43, Room 422, 777 Glades Road
Boca Raton, FL 33431 USA
Tel: +1 561 297 0511
Email: hari@cse.fau.edu

Cyril Iskander
Florida Atlantic University
S&E 43, Room 462, 777 Glades Rd.
Boca Raton, FL 33431 USA
Tel: +1 561 297 3467
Email: iskander@fau.edu

WINSTON-SALEM
Position Vacant
REGION 4 – NORTH AMERICA (USA)

CENTRAL INDIANA
Position Vacant

CENTRAL IOWA
Zhengdao Wang
Iowa State University
2215 Coover Hall
Ames, IA  50011 USA
Tel: +1 515 294 8362
Email: zhengdao@iastate.edu

CHICAGO
Yigang Cai
1919 Nutmeg Circle
Naperville, IL  60565 USA
Tel: +1 630 979 3303
Email: ycai@lucent.com

MILWAUKEE
Howard Haugstad
Automated Control Technologies
W172N8866 Shady Lane
Menomonee Falls, WI 53051-2002 USA
Tel: +1 262 255 9599
Email: hhaugstad@actllp.com

NEBRASKA
Pierce Carpenter
Omaha Public Power District
4302 Jones Plaza
Omaha  NE 68105 USA
Tel: +1 402 552 5426
Email: pcarpenter@oppd.com

SOUTHEASTERN MICHIGAN
Robert Desoff
685 Ross Street
Plymouth, MI  48170 USA
Email: r.desoff@ieee.org

SOUTHERN MINNESOTA
Scott Dahl
2701 Maywood Lane SW
Rochester, MN  55902 USA
Tel: +1 507 253 0428
Email: SSDAHL@US.IBM.COM

REGION 5 – NORTH AMERICA (USA)

TWIN CITIES
Nihar Jindal
200 Union Street SE
Room 6-119
Minneapolis, MN  55455 USA
Email: nihar@ece.umn.edu

CENTRAL TEXAS
Howard Headrick
4701 Monterey Oaks Blvd.
Apt. 616
Austin, TX  78749 USA
Tel: +1 512 358 9772
Email: hfrjr@swbell.net

DALLAS
Dinesh Rajan
Southern Methodist Univ.
Dallas, TX 75205 USA
Tel: +1 214 768 1259
Email: rajand@engr.smu.edu

DENVER
Edwin Cooper
8249 S. Trenton Way
Centennial,  CO  80112-3223 USA
Email: edcoop@ieee.org

FORT WORTH
Soontorn Oraintara
416 Yates Street
P.O. Box 19016
Arlington, TX 76019 USA
Tel: +1 817 272 3482
Email: oraintar@uta.edu

GALVESTON BAY
S. Zafar Taqvi
9874 Sageaspen Lane
Houston, TX  77089 USA
Tel: +1 281 244 4436
Email: z.taqvi@ieee.org
HOUSTON
Thomas O'Brien
4115 Highknoll Lane
Seabrook, TX 77586 USA
Tel: +1 281 282 5881
Email: t.p.obrien@ieee.org

KANSAS CITY
Position Vacant

NEW ORLEANS
Richard Miller
BellSouth Telecomm, Inc.
6767 Bundy Road
Room 166A
New Orleans, LA 70127-2563 USA
Tel: +1 504 248 7719
Email: Richard.Miller2@bellsouth.com

PIKES PEAK
Position Vacant

SAINT LOUIS
Ken R. Owens
1106 Fourth Street
St. Louis, MO 63126 USA
Tel: +1 314 515 3431
Email: ken.owens@ieee.org

TULSA
Hazem Hejjro Refai
University of Oklahoma
Elect. & Computer Eng.
4502 East 41St.
Tulsa, OK 74135 USA
Tel: +1 918 660 3243
Email: hazem@ou.edu

REGION 6 – NORTH AMERICA (USA)

FOOTHILL
Tom Cylkowski
667 Foxhaven Place
Diamond Bar, CA 91765 USA
Telephone: +1 714 940 5020
Email: t.cylkowski@ieee.org

LOS ANGELES COUNCIL
Paul Anderson
1224 11th Place
Hermosa Beach, CA 90254 USA
Email: paul.r.anderson@aero.org

Yat Chan
MS M1-111
P.O. Box 92957
Los Angeles, CA 90009 USA
Tel: +1 310 336 5073
Email: Yat.C.Chan@aero.org

OAKLAND-EAST BAY
Todor Cooklev
San Francisco State University
School of Engineering
1600 Holloway Ave.
San Francisco CA 94132 USA
Tel: +1 415 338 3946
Email: tcooklev@ieee.org

ORANGE COUNTY
Pierre Perra
4885 Searidge Circle
Huntington Beach, CA 92649-4483 USA
Tel: +1 714 404 8499
Email: pierre@comsoc.org

OREGON
Pradeep Kumar
10458 SW Titan Lane
Portland, OR 97224 USA
Tel: +1 503 702 1900
Email: pradeep@ieee.org
PHOENIX
Cihan Tepedelenlioglu
Arizona State University
Tempe, AZ  85287-5706 USA
Tel: +1 480 965 6623
Email: cihan@asu.edu

SACRAMENTO
Preetham Kumar
1301 Orchard Park Circle
Apt. S5
Davis, CA  95616 USA
Tel: +1 916 278 7949
Email: kumarp@ecs.csus.edu

SAN DIEGO
Zhensheng Zhang
San Diego Research Center
6885 Flanders Dr., Suite A
San Diego, CA  92121 USA
Tel: +1  858 623 9424  x436
Email: zzhang@ieee.org

SAN FRANCISCO
George Mattathial
P.O. Box 249
San Bruno, CA  94066 USA
Tel: +1 650 837 0000
Email: george.mattathil@ieee.org

SANTA CLARA VALLEY
Satyavrat Prabhune
1249 Lakeside Drive
Apt. 1057
Sunnyvale, CA 94085 USA
Email: satyavrat_prabhune@yahoo.com

SEATTLE
Sumit Roy
University of Washington
Dept. Electrical Engineering
Box 352500
Seattle, WA 98195 USA
Tel: +1 425 562 6598
Email: ROY@EE.WASHINGTON.EDU

TUCSON
Nicola Burgess
8466 N. Sunny Rock Ridge Dr.
Tucson, AZ  85743-1444 USA
Tel: +1 520 794 0845
Email: nicola_burgess@raytheon.com

UTAH
Behrouz Boroujeny
University of Utah
Dept. E&CE, Rm. 3280MEB
50 S. Central Campus Dr.
Salt Lake City, UT  84112-9249 USA
Tel: +1 801 587 7959
Email: farhang@ece.utah.edu

REGION 7 — NORTH AMERICA (CANADA)

CANADIAN ATLANTIC
Jacek Ilow
Dalhousie University
1360 Barrington Street
P.O. Box 1000
Halifax, Nova Scotia  B3J-2X4
Canada
Tel: +1 902 494 3981
Email: j.ilow@dal.ca

KINGSTON
Jim Dunfield
60 Barker Drive
Kingston, Ontario  K7K 6X6 Canada
Tel: +1 613 541 6000
Email: dunfield-j@rmc.ca

KITCHENER-WATERLOO
Raouf Boutaba
University of Waterloo
Dept. Computer Science
200 University Avenue West
Waterloo, Ontario  N2L 3G1 Canada
Tel: +1 519 888 4820
Email: rboutaba@uwaterloo.ca
MONTREAL
Ali Ghrayeb
Concordia University
1455 de Maisonneuve Blvd. West
Montréal, Quebec H3G 1M8 Canada
Tel: +1 514 848 2424 x4120
Email: aghrayeb@ece.concordia.ca

NEW BRUNSWICK
Richard Tervo
University of New Brunswick
Fredericton, NB E3B 5A3 Canada
Tel: +1 506 447 3137
Email: tervo@unb.ca, tervo@ieee.org
Dawn Macissac
University of New Brunswick
Dept. Electrical & Comp. Eng.
P.O. Box 4400 STN A
Fredericton, NB E3B 5A3
NB E3B 5A3 Canada
Tel: +1 506 451 6968

NEWFOUNDLAND-LABRADOR
Position Vacant

NORTHERN CANADA
Paul Goud Jr.
University of Alberta
W5-070 ECERF
Edmonton, AB, T6G 2V4 Canada
Tel: +1 780 492 0180
Email: pgoud@ece.ualberta.ca

OTTAWA
Maike Miller
Na. Capital Inst. of Telecomm.
3701 Carling Avenue
Box 11490 Station H
Ottawa, Ontario K2H 8S2
Canada
Tel: +1 613 998 6699
Email: Maike.Miller@ieee.org

QUEBEC
Paul Fortier
Laval University
Dept. of ECE
Quebec City, Quebec G1K 7P4
Canada
Tel: +1 418 656 3555
Email: fortier@gel.ulaval.ca

SOUTHERN ALBERTA
Elise Fear
University of Calgary
2500 University Drive NW
Calgary, AB T2N 1N4 Canada
Tel: +1 403 210 5413
Email: fear@enel.ucalgary.ca

TORONTO
Alagan Anpalagan
Ryerson University
Dept. Electrical Engineering
350 Victoria St.
ON M5B 2K3, Toronto Canada
Tel: +1 416 979 5000 x 6079
Email: alagan@ee.ryerson.ca

VANCOUVER
David Michelson
1465 McNair Drive
North Vancouver, BC V7K 1X4
Canada
Tel: +1 604 985 0214
Email: dmichelson@ieee.org

WINNIPEG
Ekram Hossain
University of Manitoba
Dept. Electrical & Computer Engineering
Winnipeg MB R3T 5V6 Canada
Tel: +1 204 474 8908
Email: ekram@ee.umanitoba.ca
REGION 8 – AFRICA, EUROPE, MIDDLE EAST

AUSTRIA
Robert Weigel
Friedrich-Alexander Univ. Erlangen
Institute of Elect. Eng.
Cauerstr 9
D 91058 Erlangen, Germany
Tel: +437 322 468 9710
Email: r.weigel@ieee.org

BENELUX
Wim Van Etten
University of Twente
Dept. Elect. Eng., Rm 9158
P.O. Box 217
7500 AE Enschede, Netherlands
Tel: +31 534 893 872
Email: w.c.vanetten@el.utwente.nl

BULGARIA
Peter Antonov
Technical University
P.O. Box 22
9010 Varna, Bulgaria
Tel: +359 52 383 278
Email: peter.antonov@ieee.org

CENTRAL UKRAINE
Yuri Poplavko
National Tech. Univ. of Ukraine
37 Peremogi Avenue
Kiev 252056, Ukraine
Tel: +38 044 411 1077
Email: poplavko@ieee.org

CROATIA
Maja Matijasevic
University of Zagreb
Faculty of Elec. Eng. & Comp.
Unska 3
HR 1000 Zagreb, Croatia
Tel: +385 1 612 9757
Email: maja.matijasevic@fer.hr

CYPRUS
Costas Stasopoulos
15 Eleftherouspoulos Str.
Nicosia 2001, Cyprus
Tel: +00 357 9948 3030
Email: costas@ieee.org

CZECHOSLOVAKIA
Josef Dobes
Technicka 2
16627 Praha 6
534 01 Cechach, Czech Republic
Tel: +420 224 352 207
Email: dobes@feld.cvut.cz

DENMARK
Ramjee Prasad
Wireless Info. & Multimedia
Fredrik Bajers VEJ 7A5
DK-9220 Aalborg, Denmark
Tel: +45 9 6358 671
Email: prasad@cpk.auc.dk

EGYPT
Emad K. Al-Hussaini
23 Hamadan Street, Apt. 301
Giza 12211, Egypt
Tel: +202 567 8852
Email: emadh@eng.cu.edu.eg

FINLAND
Ian Oppermann
University of Oulu
Centre for Wireless Comm
P.O. Box 4500
FIN-90014, Finland
Tel: +358 8 553 7628
Email: ian.oppermann@ee.oulu.fi

FRANCE
Ramesh Pyndiah
ENST Bretagne
Technopole Brest Iroise
BP832
29285 Brest Cedex, France
Tel: +33 02 29 00 1392
Email: Ramesh.Pyndiah@enst-bretagne.fr
GERMANY
Hermann Rohling
Tech. Univ. Hamburg-Harburg
Dept. of Telecomm.
Arbeitsbereich Nachrichtentechnik
Eißendorfer Straße
40D-21073 Hamburg, Germany
Tel: +49 40 42878 3028
Email: rohling@tu-harburg.de

GREECE
Athanasios Kanatas
University of Piraeus
Dept. Tech. Education & Digital Sys.
80 Karaoli & Dimitriou Street
18534 Piraeus, Greece
Tel: +30 210 414 2759
Email: kanatus@unipi.gr

HUNGARY
Tibor Berceli
Budapest Univ. Tech. & Economics
Dept. Microwave Telecomm
Goldmann Gyorgy Ter 3
Budapest 1111, Hungary
Tel: +36 1 463 2804
Email: berceli@mht.bme.hu

ISRAEL
Reuven Cohen
Technion
Dept. Computer Science
Haifa 32000, Israel
Tel: +972 4 829 4305
Email: rcohen@cs.technion.ac.il

NIGERIA
Ugochukwu Onukwu
Kaduna Refin. & Petrochem. Co. Ltd.
Eng. & Tech. Services Dept.
Km.16 Kachia Road
Kaduna, Kaduna 234-80 Nigeria
Tel: +234 625 172 20
Email: ugonukwu@ieee.org

NORTH ITALY
(North/South/Central)
Francesco Vatalaro
University of Rome Tor Vergata
Dept. Ingegneria Electronica
Via Di Tor Vergata 110
00133, Rome Italy
Tel: +396 7259 7448
Email: vatalaro@ieee.org

NORWAY
Steinar Andresen
NTNU
Dept. Telematics
OS. Bradstads PL2a
N-7491 Trondheim, Norway
Tel: +47 73 59 2741
Email: steinara@item.ntnu.no

NORWAY (Joint)
Fritz Bekkadal
SINTEF Telecom & Informatics
N-7465 Trondheim, Norway
Tel: +47 73 59 4312
Email: fritz.bekkadal@sintef.no

POLAND (Krakow)
Andrzej Pach
Ul Chrobrego 6
31 519 Krakow, Poland
Tel: +48 12 634 5582
Email: pach@kt.agh.edu.pl

POLAND (Poznan)
Wojciech Kabacinski
Ul Rubinowa 3
62-081 Baranowo, Poland
Tel: +48 61 665 3907
Email: wojciech.kabacinski@et.put.poznan.pl

POLAND (Warsaw)
Michal Pioro
Warsaw University of Technology
Institute of Telecommunications
Nowowiejska 15/19
00-543 Warszawa, Poland
Tel: +48 22 825 9820
Email: mpp@tele.pw.edu.pl
PORTUGAL
Luis M. Correia
Instituto Superior Tecnico
IT/DEEC-TORRE NORTE
Av Rovisco Pais
Lisboa, 1049-001 Portugal
Tel: +351 21 841 8478
Email: luis.correia@lx.it.pt

REPUBLIC OF MACEDONIA
Liljana Gavrilovska
University Sts. Kiril & Metodij
Faculty of EE
Orce Nikolov bb
Skopje 1000, Republic of Macedonia
Tel: +389 2 30 99 114
Email: liljana@etf.ukim.edu.mk

ROMANIA
Ion Banica
Soseaua Iancului NR5
Bloc 110, Sc. B, Apt. 88
P.O. Box CP 39C2
Bucharest 73371 Romania
Tel: +4021 402 4653
Email: banica@comm.pub.ro.

ROMANIA (Joint)
Victor Croitoru
Bdul N. Titulescu 155 Bl 21
Sc B Ap 38 Sector 1
Bucharest 78163, Romania
Tel: +401 410 6445
Email: croitoru@adcomm.pub.ro

RUSSIA CENTRAL (Moscow)
Yori B.Zubarev
Leningragsky Prosp 24
APP 32
125040 Moscow Russia
Tel: +7 095 261 3694
Email: info_niin@mail.ru

RUSSIA NORTHWEST
(St. Petersburg)
Dmitry Tkachenko
St. Petersburg State Tech. Univ.
Radio Eng. & Telecom Dept.
Politechnicheskaya 29
St. Petersburg, 195251 Russia
Tel: +7 812 552 7639
Email: dtkach@mail.wplus.net

RUSSIA SIBERIA (Novosibirsk)
Wjacheslav Shuvalov
Siberia State Univ. Telecom. & Info.
Data Transmission Dept.
Kirova St - 86
630102 Novosibirsk, Russia
Tel: +007 3832 66 91 13
Email: shwp@neic.nsk.su

RUSSIA SIBERIA (Tomsk)
Oleg V. Stukach
Tomsk Polytechnic University
TPU, CAMSAM Dept.
30 Lenin Avenue
634050 Russia
Tel: +73 822 417 527
Email: tomsk@ieee.org

SAUDI ARABIA
Muhammad Al-Dhamen
Saudi Aramco
P.O. Box 709
Dhahran Eastern, 31311 Saudi Arabia
Tel: +966 3872 9921
Email: dhamenmi@aramco.com.sa

SLOVENIA
Iztok Humar
University of Ljubljana
Faculty of Elect. Eng.
Trzaska 25
SI-1000 Ljubljana, Slovenia
Tel: +386 1 47 68 806
Email: iltro.humar@fe.uni-lj.si
SOUTH AFRICA
Rob Neilsen
Cape Technikon
P.O. Box 652
8000 Cape Town, South Africa
Tel: +27 21 460 3094
Email: robneil@ctech.ac.za

SPAIN
Anibal R. Figueiras-Vidal
Universidad Carlos III de Madrid
Dept. Communication Tech.
Avda. de la Universidad, 30
28911 Leganes Madrid, Spain
Tel: +34 91 624 9923
Email: arfv@tsc.uc3m.es

SWEDEN
Jens Zander
Royal Institute of Technology
Dept. Radio Comunication /S3
1644 Stockholm, Sweden
Tel: +46 8 790 9350
Email: jens.zander@radio.kth.se

SWITZERLAND
Hans Loeliger
ETH Zentrum
Signal Processing Lab (ISI)
Sternwartstrasse 7
CH 8092 Zurich, Switzerland
Tel: +41 1 632 2765
Email: loeliger@isi.ee.ethz.ch

TURKEY
Mustafa H. Delic
Bogazici University
Bebek
34342 Istanbul, Turkey
Tel: +90 212 359 6859
Email: delic@boun.edu.tr

UK & REP. IRELAND (Ireland)
Sean McLoone
National Univ. Ireland Maynooth
Dept. Electronic Engineering
Maynooth Co. Kildare, Ireland
Tel: +353 1 708 6313
Email: s.mcloone@ieee.org

UK & REP. IRELAND (UK)
Jaafar M H Elmirghani
University of Wales, Swansea
Dept. of Electrical & Electronic Eng.
Singleton Park
Swansea SA2 8PP, UK
Tel: +44 1792 295541
Email: J.M.H.Elmirghani@swansea.ac.uk

UNITED ARAB EMIRATES
Mohamed Al-Mualla
Etisalat College of Engineering
P.O. Box 980
Sharjah United Arab Emirates
Tel: +971 6 561 1333
Email: almualla@ece.ac.ae

YUGOSLAVIA
Djordje Paunovic
Mladena Stojanovica 31a
Belgrade 11040 Serbia, Yugoslavia
Tel: +381 64 610 0100
Email: g.paunovic@ieee.org

REGION 9 – LATIN AMERICA

ARGENTINA
Gabriel Venturino
Juncal 3102 P12 B
1425 Buenos Aires Argentina
Tel: +54 11 4331 5077
Email: gventuri@fi.uba.ar

BAHIA
Jobero S Martins
Rua Ver. Gumerchindo Dunda, 378
Edf. Trianon -AP 1302
Joao Pessoa, PB 58037-390 Brazil
Tel: +55 71 330 4620
Email: joberto@jsmnet.com
BOLIVIA
Sandra Hidalgo
Casilla 22640 (Obrajes)
La Paz, Bolivia
Email: s.hidalgo@ieee.org

CHILE
Pedro Aguilera
University of Chile, DCC
Access Nova Program
Beaucheff 850
Santiago, Chile
Tel: +56 2 678 4817
Email: paguil@accessnova.cl

COLOMBIA
Jose David Cely
Calle 80 BIS 82 A 30
Bogota D.C., Colombia
Tel: +57 1 288 3681
Email: j.d.cely@ieee.org

COSTA RICA
Ricardo Trujillo
P.O. Box 10-1017
San Jose, Costa Rica
Email: fibrotel@racsa.co.cr,
rtrujillo@ieee.org

ECUADOR
Hector Fiallos
Kennedy Norte, Manzana 109 Solar 21
Guayaquil, Guayas
Ecuador
Email: hector.fiallos@ieee.org

EL SALVADOR
Arne Guerra
SETISA
Colonia Escalon
7 Calle Pte. y 79 Ave. Nte #4051
San Salvador, El Salvador
Tel: +503 264 4713
Email: aguerra@setisa.com.sv;
arne_guerra@ieee.org

GUADALAJARA
Oscar F. Fernandez
Universidad ITESO
Dept. Elect., Sys. & Info
Periferico Sur 8585
45090 Tlaquepaque, Jalisco Mexico
Tel: +52 33 3693 3598
Email: ofdez@iteso.mx

GUATEMALA
Armando A. Rivera
3 Calle 23-21
Zona 6 Colonia, Los Angeles
Guatemala 0106 Guatemala
Tel: +502 470 4058
Email: armando.rivera@telefonica.com.gt

MEXICO
Fernando Tavera
Red Uno Telmex
Insurgentes Sur 3500
Torre Telmex Cuicuilco 4 Piso
Penapobre Mexico City, 14060
Mexico
Tel: +525 562 4468
Email: ftavera@reduno.com.mx

MONTERREY
César Vargas Rosales
CET
E. Garza Sada 2501 Sur
CP 64849 Monterrey, NL 64849
Mexico
Tel: +52 81 8158 2081
Email: cvargas@itesm.mx

PANAMA
Gustavo A. Diaz
2236 Zona 7
Panama Panama
Tel: +507 264 7766
Email: g.diaz@ieee.org

PERU
Jorge Reyna
Sor Tita 324 Surco
Lima 33 Peru
Tel: +511 372 0210
Email: jreyna@infonegocio.net.pe
PUEBLA
Luis G. Guerrero Ojeda
University of the Americas Puebla
Dept. Ing. Elect. & Mecatronica
Ex-Hacienda de Santa Catarina Martir
Cholula, Puebla 72820 Mexico
Tel: +52 222 2 29 26 32
Email: luisg.guerrero@udlap.mx

PUERTO RICO & CARIBBEAN
Hector E. Davila
H-34 Ext. Villa Caparra
Guaynabo, PR 00969 Puerto Rico
Tel: +1 787 281 6660
Email: hdavila@yunque.net

RIO DE JANEIRO
Waldo Russo
Union - Engenharia de Telemática
Rua Lauro Muller, 116 sala 3005
Torre Rio Sul - Botafogo
22290-160, Rio de Janeiro-RJ Brazil
Tel: +55 212 275 0835
Email: warusso@terra.com.br

SOUTH BRAZIL
Silvio E. Barbin
Universidade De Sao Paulo
E. Politecnica - Eng. Elet. Sala D3-21
Av. Prof. L. Gualberto, Trav.3, No. 158
Sao Paulo, 05508-900 Brazil
Tel: +55 11 3091 5509
Email: barbin@lcs.poli.usp.br

URUGUAY
Juan Pechiar
Palmas y Ombúes 5706
Montevideo, 11400 Uruguay
Tel: +598 2 604 6063
Email: pechiar@ieee.org

VENEZUELA
Mario Petrizzelli
Calle 128, Edif. Siena, 1er. Piso
La Trigaleña
Apto. 1B
La Trigaleña
Valencia Estado Carabobo, Venezuela
Tel: +58 241 842 5038
Email: mpetrizz@uc.edu.ve

Region 10 – Asia/Pacific

AUSTRALIAN CAPITAL TERRITORY
Robert Prandolini
DSTO Fern Hill
Dept. of Defence
Canberra, ACT 2600 Australia
Tel: +61 2 6256 6524
Email: r.prandolini@ieee.org

BANGALORE
Raghavendra Swamy N Gulur
CG-Smith Software Pvt. Ltd.
#1 A, Peenya Ind. Area, 2nd Phase
Bangalore, 560 058 Karnataka India
Tel: +91 80 2839 1662
Email: raghav@cgsmith.soft.net

BEIJING
Zhisheng Niu
Tsinghua University
Dept. Electronic Engineering
Beijing, 100084 China
Tel: +86 10 6278 1423
Email: niuzhs@tsinghua.edu.cn

BOMBAY
M. V. Pitke
002 Buniyad
Yashodham
Goregaon East
Mumbai Maha, 400063 India
Tel: +91 22 2843 5252
Email: pitke@vsnl.com
CALCUTTA
Debashis Saha
Indian Inst. of Mgmt. Calcutta
Joka, D. H. Road
Kolkata, 700 104 India
Tel: +91 33 2467 8300
Email: ds@iimcal.ac.in

DELHI
Ram Gopal Gupta
Ministry of Comm. & Info. Tech.
Electronics Niketan
6 CGO Complex, Lock Road
New Delhi, 110003 India
Tel: +91 11 2436 3095
Email: guptarg@mit.gov.in

HONG KONG
Peter K. S. Tam
Flat F, 5/Floor, Tower 3
Robinson Heights
8 Robinson Road
Hong Kong
Tel: +852 2367 4747
Email: pkstam@gmail.com

INDIA COUNCIL
Ram Gopal Gupta
Ministry of Comm. & Info. Tech.
Electronics Niketan
6 CGO Complex, Lock Road
New Delhi, 110003 India
Tel: +91 11 2436 3095
Email: guptarg@mit.gov.in

INDONESIA
Nurain Silalahi
JL. Cicalengka Raya No. 49
RT05/RW07
Antapani Kidul,Cicadas
Bandung 40291, Jawa Barat
Indonesia
Tel: +62 81 2204 8443
Email: nurain@bdg.centrin.net.id

JAPAN COUNCIL
Kenichi Mase
Niigata University
2 Ikarashi
Niigata-shi, 950-2181 Japan
Tel: +81 25 262 7446
Email: mase@ie.niigata-u.ac.jp

KARACHI
Nadeem A. Dogar
National Bank of Pakistan, IT Group
5th Floor, Annexe Bldg, Head Office
I.I. Chundrigar Road
Karachi Sindh 74000 Pakistan
Tel: +92 21 921 2228
Email: ndogar@nationalbank.com.pk

LAHORE
Zartash Afzal Uzmi
Lahore Univ. of Mgmt Sciences
A-1, Block 3, Dept. CS
Opposite Sector 'U', DHA
Lahore 94305 Pakistan
Tel: +92 42 5 7226 7079
Email: zartash@lums.edu.pk

MALAYSIA
Jaafar Mohamad Abu Bakar
Telekom R&D Sdn. Bhd.,
Idea Tower I & II
UPM-MTDC, Tech. Incubation Ctr 1
Lebuh Sillikon
43400 Serdang, Selangor D.E.
Malaysia
Tel: +60 3 8945 9180
Email: jaafar@rndtm.net.my

NEW SOUTH WALES
Sam Reisenfeld
University of Technology, Sydney
Faculty of Engineering
Building 1, Level 24
1 Broadway
Sydney NSW 2007, Australia
Tel: +61 2 9514 2448
Email: samr@uts.edu.au
NEW ZEALAND NORTH / SOUTH
Nurul Sarkar
Auckland Univ. of Technology
School of Comp. & Info. Sciences
Private Bag 92006
Auckland 1020 New Zealand
Tel: +64 9 917 9999 x5408
Email: nurul.sarkar@ieee.org

NORTH QUEENSLAND (Com)
Arthur Tsakissiris
3 Eumara Court
Annandale Townsville, Qld. 4814
Australia
Tel: +61 7 4761 8601
Email: arthurttsakisiriss@ieee.org

QUEENSLAND (Joint/No.Queens)
Sridha Sridharan
Queensland Univ. of Technology
School of EESE
Qut GPO Box 2434
Brisbane Qld, 4001 Australia
Tel: +61 7 3864 2113
Email: s.sridharan@qut.edu.au

SEOUL COUNCIL
Kwang Bok Lee
Seoul National University
School of Electrical Eng.
San 56-1 Shillim-Dong
Kwanak-ku 151-742, Seoul Korea
Tel: +82 2 880 8415
Email: klee@snu.ac.kr

SOUTH AUSTRALIA
John Asenstorfer
14 Somerset Ave
Fulham Gardens, 5024
South Australia Australia
Tel: +61 8 8259 7223
Email: john.asenstorfer@dsto.defence.gov.au

TAIWAN
Szu-Lin Su
National Cheng Kung University
Dept. Electrical Eng.
1 University Road
Tainan 701, Taiwan
Tel: +886 6 275 7575
Email: ssl@ee.ncku.edu.tw

TAIPEI
Mao-Chao Lin
National Taiwan Univ., Taipei
Dept. of Electrical Eng., Room 323
Taipei 106, Taiwan
Tel: +886 2 3366 3633
Email: mclin@cc.ee.ntu.edu.tw

THAILAND
Kosin Chamnongthai
King Mongkut’s Univ. of Tech.
Thonburi 91 Pracha Uthit Rd.,
Bangmod
Bangkok Tungkou 10140 Thailand
Tel: +66 2470 9064
Email: kosin.cha@kmutt.ac.th

VICTORIA
Roger Venning
1208/163 City Road
Southbank, Victoria 3006 Australia
Tel: +61 3 8627 2587
Email: roger.venning@team.telstra.com

WESTERN AUSTRALIA
Daryoush Habibi
Edith Cowan University
School of Eng. & Mathematics
Joondalup, WA 6027 Australia
Tel: +61 8 9400 5787
Email: d.habibi@ecu.edu.au

SINGAPORE
Ho Hooi Chee
Singapore Polytechnic
School of Elec. & Elect. Eng.
500 Dover Road
Singapore 139651 Singapore
Tel: +65 6870 7039
Email: hooichee@sp.edu.sg
Provided as a service to our local chapters, Distinguished Lecture Tours 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 - Membership Development. Although tours are organized to benefit existing members and Chapters, they can also be effective in generating membership and encouraging new chapter formation.

Up to five lecture tours a year will be supported in each of our four Regions: Asia/Pacific, Europe-Africa-Middle-East, 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 is in accordance with the following guidelines.

**Procedures**

- Funding is provided to enable a lecturer to address multiple groups during a lecture tour. (Individual lectures are not funded.)

- Tours, therefore, involve a series of lectures – addressing at least three groups in three separate locations within reasonable geographical proximity to each other.

- “Grassroots” organizers may be Chapters, Sections, local conference organizers, or even a group of members in an area where no ComSoc chapter exists. Organizers work directly with their Regional Director, who facilitates arrangements and recommends the tour to the Director - Membership Programs Development.

- Final approval is the responsibility of the Director - Membership Programs Development. Lecturers are approved by him/her in conjunction with the appropriate Regional Director and, when needed, the Vice President - Technical Activities.

- All arrangements must be made in advance with local sponsoring groups. At least two months “lead time” is recommended to allow local groups time to advertise.

- 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.)

- 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.
DISTINGUISHED LECTURERS

www.comsoc.org/socstr/memprog/dislec/index.html

*term ending 31 December 2006
**term ending 31 December 2007
*** term ending 31 December 2008

B. Aazhang (Behnaam) ***
aaz@rice.edu
- Multiuser communication
- Multiple access communication
- Spectrum Sharing in wireless communication
- Cooperative Communication
- Scheduling in Wireless Communication
- Feedback in Wireless Communication

H. Aghvami (Hamid) *
hamid.aghvami@kcl.ac.uk
- Beyond UMTS/IMT-2000
- UMTS/IMT2000

K. Amer (Khaled) *
amer@amernet.net
- Architecture Analysis and performance modeling of network systems and protocols

N. Ansari (Nirwan) ***
nirwan.ansari@njit.edu
- Network Security (in particular, Tracing Cyber Attacks)
- TCP in Heterogeneous Environments
- Optical Networks (such as Bandwidth Allocation in EPONs and RPR)
- Active Queue Management.

K. Ben-Letaief (Khaled) *
eekhaled@ee.ust.hk
- Broadband Wireless Access in Next-generation Wireless Networks
- 3G Mobile Systems
- Access Technologies for 4G Wireless Systems

V. K. Bhargava (Vijay) *
vijayb@ece.ubc.ca
- Wireless Internet Access using IMT 2000/WLANs
- Capacity Enhancement and Enabling Technologies for 3G CDMA Cellular Systems

E. Biglieri (Ezio) *
biglieri@polito.it
- Coding for Fading Channels
- Multiple Transmit and Receive Antennas: Capacity Limits, Space-Time Codes, and Signal Processing
- Turbo Algorithms for Decoding, Equalization, and Detection: A Graphical Approach

R. Boutaba (Raouf) ***
rboutaba@bbcr.uwaterloo.ca
- Autonomic Computing and Communications

S. Bregni (Stefano) *
bregni@elet.polimi.it
- Synchronization of Digital Telecommunications Networks

W. Chen (Wai) *
wchen@research.telcordia.com
- Advances in Vehicle Information Networking

G. Cherubini (Giovanni) ***
cbi@zurich.ibm.com
- Data transmission techniques for storage applications
- Filter-bank modulation techniques for transmission over frequency-selective channels

N. Cheung (Nim) *
nkc@research.telcordia.com
- Technology and Architecture Trends in Optical Networking
- The Role of Optical Interconnect in Supercomputing

From Marconi to Wireless Internet: A Communications Perspective
Research into Fourth Generation Wireless Systems
C. Desmond (Celia) *
c.desmond@sympatico.ca
- Trends in the Telecommunications Industry
- Project Management for Telecommunications Managers
- Coaching for Managers
- Communications Course – Making Yourself Heard

A. Ephremides (Tony) ***
etony@umd.edu
- Wireless Ad Hoc Networks
- Network Coding As A New Paradigm In Networking
- Energy Efficiency In Wireless Networks
- Cross-Layer Issues In Network Design
- Sensor Networks
- Stability Issues In Wireless Networks
- Power Control In Ad Hoc Networks
- New Directions And Challenges In Wireless Networking

J. Erfanian (Javan) *
Javan.erfanian@bell.ca
- End-to-end Wireless Technology Evolution
- New Paradigms and Future Service Environment
- Emerging User Requirements & Key Research Areas

H. Gharavi (Hamid) *
gharavi@nist.gov
- Wireless Multimedia Communications
- Ad-hoc Networks Systems & Applications

R. Glitho (Roch) *
Imcrogl@lmc.ericsson.se
- Internet Telephony / Next Generation Networks
- Telecommunications Service Engineering
- Mobile Code

Z. J. Haas (Zygmunt) *
haas@ece.cornell.edu
- Ad Hoc Networking Technology: from Research to Applications
- Scalability of Wireless Networks
- Security in Wireless Networks
- Biologically-Inspired Networks & Systems
- Sensor Networks

I. Habib (Ibrahim) ***
habib@ccny.cuny.edu
- GMPLS Control of IP optical Networks
- Architecture Design of Metro Optical Networks
- Traffic Engineering and QoS in Next Generation Networks
- Wireless Local and Metro Area Networks
- 3G and Beyond Networks

L. Hanzo (Lajos) **
lh@ecs.soton.ac.uk
- Wireless Multimedia Turbo-transceivers
- Wireless Video Communications
- Joint Source- and Channel Coding
- Near-Instantaneously Adaptive Wireless Single-Carrier, OFDM & CDMA Systems
- Turbo Coding, Turbo Equalisation and Space-Time Coding
- Standard-Oriented, Channel-Quality Motivated, Service-Related and Algorithmic Aspects of Software-Controlled Radios
- Research in Single- and Multi-Carrier CDMA
- Research aspects of OFDM
- Cross-layer optimization in Wireless Communications
- Genetic Algorithms in Wireless Communications
- Smart Antennas in Wireless Communications
- Advanced Wireless Networking

R. Jain (Raj) *
jain@nayna.com
- Computer Networking: Recent Developments, Trends, and Issues

A. Jajszczyk (Andrzej) *
jajszczyk@kt.agh.edu.pl
- Next-Generation Networking: Solutions & Challenges
- Towards Automatically Switched Optical Networks (ASON)
G. Jakobson (Gabe) ***
jakobson@altusystems.com
- The Principles of Dynamic Event and Situation Management
- Introduction to Cognitive Information Fusion and Operational Situation Management
- Introduction to Event Correlation Models, Solutions and Applications
- Real-Time Network Fault and Alarm Management
- Management of Dynamic Networks and Services Based on Distributed Event Correlation
- The Technology and Practice of Integrated Multi-Agent Event Correlation Systems

A. Jamalipour (Abbas) **
a.jamalipour@ieee.org
- Broadband Wireless IP
- Next Generation Mobile Network Architectures
- Heterogeneous Mobile Cellular Networks

B. Li (Bo) ***
bli@cs.ust.hk
- Optical Networks, specifically on WDM Systems
- Wireless Networks (Cellular Systems)
- Wireless Ad Hoc Networks and Sensor Networks
- Multimedia Communications, specifically related to video communications and video multicast
- General topics in computer networks and internet
- Peer-to-Peer systems

M. Malek (Manu) *
mmalek@ieee.org
- Security and Information Assurance
- WLAN Security

Mouftah (Hussein) *
mouftah@site.uottawa.ca
- Advances in Photonic Packet Switching Networks
- How to Make Optical Networks Survivable

S. Oelcer (Sedat) ***
oel@zurich.ibm.com
- A 50 Year Journey in Tape Storage

M. Pursley (Michael) *
pursley@eng.clemson.edu
- Energy-Efficient Routing in Mobile Frequency-Hop Ad Hoc Networks
- Cross-Layer Protocols for Mobile Spread-Spectrum Ad Hoc Networks

K. K. Ramakrishnan *
kkrama@teraoptic.com
- QoS and Traffic Management in Data Networks
- LANs, MANs and Access Networks
- Congestion Control

R. Saracco (Roberto) **
roberto.saracco@tilab.com
- Vision of a Future with Ubiquitous Telecommunications, Communications among Objects, Information Appliances
- Network Economy and Telecommunications
- Evolution of Telecommunications Technologies, Architectures, Services; Leveraging on Existing Telecommunications Infrastructure and Evolving Them in Developing Countries
- Entrepreneurship Capacity Building for Developing Countries
- Wireless and Wireline Internet: Bringing Internet Services Using Voice Communications
E. H. Sargent (Ted) *
ted.sargent@utoronto.ca
- Nanotechnology and Stimulated Self-assembly
- Self-organized Photonic Structures for Optical Signal Processing
- Solution-processed Infrared-emitting Quantum Dots for Optics-electronics Integration

H. Sari (Hikmet) *
hsari@ieee.org
- Broadband Wireless Access
- Broadband Cable Access

K. Sohraby (Kazem) *
ks@ieee.org
- Emerging Transmission Technologies
- Emerging Switching Technologies

J. Sterbenz (James) **
jpgs@sterbenz.org
- Resilient, survivable, and disruption-tolerant mobile wireless networking
- Programmable, adaptive, extensible, and active networks
- High-speed networking architecture, technology, and design principles

D. Towsley (Don) **
towsley@cs.umass.edu
- Network security
- The Internet as a complex system
- Network modeling, analysis, and control
- P2P applications, overlays, and their interactions with the Internet

N. Vaidya (Nitin) **
nhv@uiuc.edu
- Wireless Mesh Networks
- Protocols for Multi-Channel Wireless Networks
- Utilizing Directional Antennas in Multi-Hop Wireless Networks

M. Win (Moe) **
moewin@MIT.EDU
- Fundamentals of Ultrawide Bandwidth (UWB) Systems
- Recent Advances in Ultrawide Bandwidth (UWB) Communications Networks
The IEEE Communications Society provides a limited number of travel grants to help members with traveling difficulties to attend major Society conferences. Six major conferences are currently included in this program: ICC, GLOBECOM, INFOCOM, WCNC, NOMS, IM, CCNC, and SECON.

For the purposes of this program, the world is divided into four major ComSoc regions:
- North America (NA) – IEEE Regions 1-6 for USA, IEEE Region 7 for Canada
- Europe, Africa & Middle-East (EAME) – IEEE Region 8
- Latin America (LA) – IEEE Region 9
- Asia Pacific (AP) – IEEE Region 10

Grant recipients must normally reside in a ComSoc Region other than the Region where the conference is held. Two types of travel grants are available: student and professional.

**Student Travel Grants**

This grant is for $1,000 plus a complimentary copy of the conference record. To qualify a recipient must be:
- Author of an accepted conference paper, attend the conference, and present the paper.
- Valid Student Member of IEEE Communications Society at the time he/she submits an application
- Full-time student regularly registered toward a degree in engineering or related field in a university.

Students (or their advisors) should submit applications to their ComSoc Regional Director; contact information will normally be listed on the conference web site. The applicant’s name and address, etc., must be printed on the application forms of the conference. Application forms are included in the authors' kits for accepted papers and on the conference web site.

Applications deadline: The Regional Director must have all applications (properly filled out) three months before the day the conference is scheduled to start.

Selections are based on review scores of the papers and regional selection guidelines set by each ComSoc Regional Director. Final decisions come from the office of the Vice President - Membership Development (delegated to Director - Membership Programs Development with the endorsement of the ComSoc Regional Director). No more than one travel grant per year may be awarded to an individual through this program.
Special exceptions (with very restricted conditions) may be considered to enable students to obtain grants to attend a major conference held within the same ComSoc region as the applicant resides. In these cases the grant is $600 plus complimentary conference record. Examples of special conditions are:

- Very high paper review score, recommendation by the Technical Program Committee chair, or authorship of more than one accepted paper.
- Minimum airfare to attend conference is very expensive (i.e., air fare from Turkey to London, Australia to Tokyo) as verified by Regional Director.
- Letter signed by the advisor or other university official indicating there is no other practical way for the student to obtain local travel support.

Cost of “exception” section of Travel Grant Program may not exceed 15% of the total student travel-grant budget allocated for each specific conference.

**Professional Travel Grants** (program suspended for 2004 – 2005)

A limited number of professional travel grants are available for professionals who encounter economic difficulties to attend conferences. Recipients may receive grants up to $1,200 (based upon their estimated travel budget/expenses) and a complimentary copy of the conference record. (Recipients do not normally receive complimentary conference registration.) Potential candidates include authors of papers accepted for the conference, panelists in panel sessions, session Chairs, or ComSoc Chapter Chairs. Complimentary full conference registration may occasionally be awarded depending upon the individual circumstance and recommendation of the Regional Director.

Applicants must be valid members of IEEE Communications Society at the time of application. Requirements for this grant are the same as for student grants except professionals do not fill out student application forms; instead, they may send (or e-mail) a letter to their ComSoc Regional Director stating their need for a grant, attaching a budget estimate, indicating other sources which could part-fund the travel, and giving their IEEE member number. No more than one travel grant in a three-year period may be awarded to any individual.

Special exceptions (with very restricted conditions) may be considered to enable professionals living and working within the same ComSoc region as the major conference to obtain a grant to attend that conference. In these cases the recipient may receive up to $800 (based upon their estimated travel budget/expenses) plus a complimentary copy of the conference record. (See examples of special exceptions above.) Complimentary full conference registration may be awarded occasionally depending upon the individual circumstance and recommendation of the Regional Director.
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.

**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**

1973 - S. G. Lutz  
1972 - Amos E. Joel, Jr.  
1971 - A.C. Dickieson  
1970 - R.K. Hellmann  
1969 - D.S. Rau  
1968 - P.G. Edwards  
1967 - J.Z. Millar  
1966 - W.T. Rea  
1965 - A.G. Kanoian  
1963 - I.S. Coggeshall  
1962 - A.C. Clavier  
1961 - E.I. Green  
1959 - K. Bullington  
1958 - H.H. Beverage  
1989 - Paul E. Green, Jr.  
1988 - Jack M. Sipress  
1987 - Paul Baran  
1986 - Gottfried Ungerboeck  
1985 - Robert Charles Terreault  
1984 - Bob O. Evans  
1982 - Tadahiro Sekimoto  
1981 - Robert Price  
1980 - Frederick T. Andrews  
1979 - Arthur A. Collins  
1978 - Andre Pinet  
1977 - William H.C. Higgins  
1976 - Walter B. Morrow  
1975 - Robert W. Lucky  
1974 - Frank D. Reese  
2004 - Hussein Mouftah  
2003 - Hikmet Sari  
2002 – Michael B. Pursley  
2001 – Ezio Biglieri  
2000 - Laurence B. Milstein  
1999 - Al Gross  
1998 - Donald L. Schilling  
1997 - Marvin K. Simon  
1996 - Joachim Hagenaer  
1995 - Adam Lender  
1994 - Mischa Schwartz  
1993 - Paul Schumate  
1992 - Hisashi Kaneko  
1991 - Burton R. Saltzberg  
1990 - Jack K. Wolf

**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.
**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.

**Recipients**

2004 - Harvey A. Freeman  
2000 - Douglas N. Zuckerman  
1998 - Roberto de Marca  
1997 - Curtis A. Siller  
1995 - Thomas J. Plevyak  
1994 - Raymond L. Pickholtz  
1993 - Joseph L. LoCicero  
1992 - Frederick T. Andrews  
1991 - Celia Desmond,  
         Jack C. McDonald  
1990 - Richard P. Skillen  
1989 - William H. Tranter  
1988 - Richard A. Alston,  
         John Limb  
1987 - Noriyoshi Kuroyanagi  
1986 - Paul E. Green, Jr.,  
         John S. Ryan  
1985 - M.R. Aaron,  
         Bruce DeMaeyer  
1983 - Allen Gersho,  
         Adam Lender,  
         Stephen Weinstein  
1982 - William W. Middleton,  
         Walter B. Noller  
1981 - Richard L. Shuey,  
         Edward J. Doyle  
1980 - Edward J. Glenner  
1979 - Richard Kirby  
1978 - Donald L. Schilling  
1977 - David Solomon  
1976 - Ran Slayton,  
         Anthony B. Giordano

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

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

**Eligibility** – No restrictions.

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

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

**Recipients**

2000 - David D. Clark  
1993 - George E. Brown, Jr.  
1992 - Mansoor Shafi  
1990 - Richard C. Kirby  
1987 - Hubert Zimmerman  
1984 - Mohammed Mili  
1982 - Joseph R. Fogarty  
1981 - Henry Geller  
1978 - Alphonse Ouimet  
1977 - Benjamin L. Hooks  
1976 - Senator J.O. Pastore

**SERVICE AWARDS**

**IEEE Communications Society Harold Sobol Award for Exemplary Service to Meetings & Conferences**  
(Formerly Meetings & Conferences Exemplary Service Award)

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

**Description and Eligibility** – Society member 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

<table>
<thead>
<tr>
<th>Year</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>2003</td>
<td>Doug Lattner</td>
</tr>
<tr>
<td>2002</td>
<td>Douglas N. Zuckerman</td>
</tr>
<tr>
<td>2001</td>
<td>Harvey A. Freeman</td>
</tr>
<tr>
<td>2000</td>
<td>Ross C. Anderson</td>
</tr>
</tbody>
</table>

IEEE Communications Society Publications
Exemplary Service Award

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

Description and Eligibility: A Society member who has been involved with one or more of the Society's publications (e.g., journals, magazines; print or electronic) for a long 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 administrate the award. Funds will be covered out of annual Communications Society operating expenses until a suitable endowment is established.

Recipients

<table>
<thead>
<tr>
<th>Year</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>2004</td>
<td>Desmond P. Taylor</td>
</tr>
<tr>
<td>2002</td>
<td>Curtis A. Siller</td>
</tr>
<tr>
<td>2001</td>
<td>William H. Tranter</td>
</tr>
<tr>
<td>1999</td>
<td>Joseph L. LoCicero</td>
</tr>
<tr>
<td>1998</td>
<td>Paul E. Green, Jr.</td>
</tr>
</tbody>
</table>
IEEE Communications Society Distinguished Industry Leader Award

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

Description – To recognize an industry executive whose leadership 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


The Communications Society Best Tutorial Paper Award

**Prize** – Plaque and honorarium up to $500 for each author; total not to exceed $1000.

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

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

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

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

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

**Prize** – Plaque and honorarium up to $500 for each author; total not to exceed $1000.

**Eligibility** – Publication of an original paper, in the category Communications Systems, published in the *IEEE Journal on Selected Areas in Communications* in the previous calendar year; 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 Paper Award in the Field of Communications Theory

**Prize** – Plaque and honorarium up to $500 for each author; total not to exceed $1000.

**Eligibility** – Publication of an original paper, in the category Communications Theory, published in the *IEEE Transactions on Communications* in the previous calendar year; 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 Paper Award in the Field of Communications Circuits and Techniques

Prize – Plaque and honorarium up to $500 for each author; total not to exceed $1000.

Eligibility – Publication of original paper, in the category Communications Circuits and Techniques, published in the *IEEE/ACM Transactions on Networking* in the previous calendar year; 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 $1000.

Eligibility – Publication of an original paper in a Communications Society magazine (*Communications Magazine*, *Network*, or *Wireless Communications*) in the previous calendar year; author need not be an IEEE member.

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

Selection Process – Nominations screened and short list prepared by the Magazines Paper Awards Selection Committee with the approval of the 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/Information Theory 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 the previous calendar year. 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 Information Theory Society (IT). Funding evenly divided by the two sponsoring societies.

**Selection Process:**

1. Each year ComSoc Awards Committee selects 1 or 2 candidate papers from the previous calendar year; and the IT Awards Committee also selects 1 or 2 candidate papers from the previous calendar year. (Note: the first year this award was recognized, papers published in the previous three years were considered.)

2. A subcommittee of 4 people is formed with 2 members appointed from each of the Awards Committees of the two Societies. This subcommittee considers the 2 to 4 papers selected above and selects 1 or 2 papers as the winning papers.

3. For ComSoc, the normal Nomination Committees for paper awards organized by the publications boards nominate a short list of candidate papers, and the Awards Committee selects the 1 or 2 candidate papers out of the short list. (No paper already selected for a ComSoc paper award is eligible) The processes/timelines are the same as other paper awards. The Awards Chair appoints the two members who will serve on the subcommittee.

4. For IT, the Awards Committee for paper awards will seek nominations and submit 1 or 2 candidate papers. The processes/timelines will be the same as other paper awards. The Awards Chair appoints the two members who will serve on the subcommittee.

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

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**IEEE Marconi Prize Paper Award in Wireless Communications**

**Prize** – Plaque, honorarium of up to US$1000, travel reimbursement of up to US$3000.

**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 in the previous calendar year. NOTE: IEEE Transactions on Wireless Communications is co-sponsored by the IEEE Communications Society and IEEE Signal Processing Society.

**Eligibility** - Author of an original paper in the field of Wireless Communications, published in the IEEE Transactions on Wireless Communications in the previous calendar year, 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.

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.

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.

Journals Editors-in-Chief are responsible for generating short nomination lists for the Abraham, Bennett, and Rice prizes, and these lists become the major basis for decisions of the Awards Committee. Nominations are solicited by each Editor-in-Chief from his/her Journal’s Editorial Board, guest editors, and the readership. Nominations may be solicited in a published notice. The nominations are screened/reduced to a short list by a committee of the Editorial Board appointed by the Editor-in-Chief.

A short nomination list for the Ellersick Prize is prepared under the direction of the Chair of Magazines Paper Awards Selection Committee in consultation and with the approval of the Magazines Editors-in-Chief. The short nomination list for the Best Tutorial Paper Award is prepared by consensus of all Editors-in-Chief and the Directors of Magazines and Journals based on recommendations from their prize paper committees.

The short nomination lists for all five prizes 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 normally made at ICC each year.

IEEE 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.

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.
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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 and applications supporting the transfer and organization of information, of diverse media types and formats, through communication networks and channels.

This may include:

- Architecture, control, management, performance, and applications of electronic, optical, and wireless communication networks;
- Technologies and services for existing and emerging networks and the Internet;
- Theory and techniques of modulation, detection, coding, and signaling through channels; design and operation of packet- and circuit-switched networks;
- Switching and routing systems;
- Communication protocols, software, and middleware;
- Techniques for achieving quality of service and reliability;
• Communications capabilities of terminals, appliances, and information systems;
• Communications standards and specifications; and
• The impact of communications technologies on societies and individuals.

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 representative(s) to IEEE Board of Directors.
- The nominations and elections procedure for officers includes petition signed by 200 Members.
- 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 an 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.
• Hot topic identification.
• 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.

Education (basic and continuing)

• Tutorials, short courses, guest 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 students 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, Standing Committees, Technical Committees 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 - Membership Services, Vice President - Membership Development, Vice President - Society Relations, 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 and then by the Vice President - Technical Activities, Vice President - Membership Services, Vice President - Membership Development, and Vice President - Society Relations, 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.
- Is responsible for assuring cost-effective planning, acquisition, maintenance and use of the Society’s information systems and networking, databases and telecommunications services.

3.3.3 Directors, 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 VP – Membership Development.
- Serves for the term of the President.
Appointments of the Treasurer, Chief Information Officer, Directors, 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.

3.4.3 The President manages all aspects of the Society, whether internal, within IEEE or external. He/she represents the Society on the IEEE Technical Activities Board, and works with other Society Presidents to ensure the interests of the Society are properly represented. Vice Presidents, the CIO, and the Treasurer report to the President. The President is responsible for evaluating the performance of the Executive Director and providing required input to IEEE.

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 within the Society. Reporting to this Vice President are:

- Director - Standards
- Chairs – Technical Committees
- Chair – Awards Committee
- Chair – Distinguished Lecturers Selection Committee
- Chair – Fellow Evaluation Committee
- Chair – Emerging Technologies Committee
- Technical Committees Recertification Committee

3.5.3 Vice President - Membership Services is responsible for all activities related to services and products, such as publications, conferences, educational and online services. Reporting to this Vice President are:

- Director – Education
- Director – Journals
- Director – Magazines
- Director – Meetings & Conferences
- Director – On-Line Content

3.5.4 Vice President - Membership Development is responsible for activities related to Members and membership - including chapter service development, membership development, marketing, management of member benefits programs, and development of new membership programs. Reporting to this Vice President are:

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

3.5.5 Vice President - Society Relations is responsible for promoting relationships with IEEE societies and other professional societies worldwide, fostering a
strong international Society presence, in coordination with the IEEE Division III Director where IEEE may have related interests or can be of help to the Society in meeting society relations objectives. Reporting to this Vice President are:

- Director – Related Societies
- Director – Sister Societies
- Representatives to other organizations as determined by the Vice President

### 3.6 Board of Governors (BoG)

#### 3.6.1 Officers on the Board of Governors:

- President
- President-Elect (odd years), immediate Past President (even years)
- Vice Presidents
- Members-at-Large
- Director – IEEE Division III
- Directors
- Chief Information Officer
- Treasurer
- Executive Director

#### 3.6.2 The BoG must hold two formal meetings annually. Special BoG meetings may be held at the request of the President or 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.

#### 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 Business may be conducted by means other than formally held meetings when the matter can be adequately handled via letter, electronic ballot, conference call, 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, Division III
- Directors
- Chief Information Officer
- Treasurer
- 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. 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
- 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.

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 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.

3.9 Professional Staff

3.9.1 Volunteer leadership of the Society will be supported by a salaried professional staff, managed by an Executive Director, and housed in offices located in New York City or other world communications capital.

3.9.2 Executive Director is responsible for overall direction, management, and administration of the professional staff. He/she reports to the President, serves as BoG/OpCom secretary assisted by staff members where needed, and is responsible for implementing plans and policies and handling all official Society business assigned by the Board.
ARTICLE 4 – COUNCILS

4.1 Councils are chaired by Vice Presidents to address Technical Activities, Membership Services, Membership Development, and Society Relations. Directors reporting to a Vice President serve on his/her Council. Vice Presidents may appoint 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 technical interests of the Society, encompassing the broad range of communications and communications-related technical areas. Members are Technical Committee and Standing Committee chairs reporting to the Vice President.

4.4 Membership Services Council - This Council addresses the needs of Society membership through highly responsive services such as publications, meetings and conferences, educational and on-line programs.

4.5 Membership Development Council - This Council addresses individual Member needs and chapter interests, develops and manages membership and professional programs, oversees marketing activities, and reflects the international interests of the Society.

4.6 Society Relations Council - This Council addresses the Society’s relations with IEEE and other professional societies. Additional members include the President-Elect, Past-President, Past Vice President – Society Relations, and IEEE Division III Director.

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 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.

- Education
- Journals
- Magazines
- Marketing
- Meetings & Conferences
- Membership Programs Development
- On-Line Content
- Regional - Asia/Pacific
- Regional - Europe, Africa, & Middle-East
- Regional - Latin America
- Regional - North America
- Related Societies
- Sister Societies
- Standards

6.2 Directors are responsible for staffing their Boards. Board members serve for the duration of the Director’s term, with the approval of the appropriate Vice President. 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.

6.4 Education Board – This Board is responsible for the oversight of all Society educational activities including administration of the Society's programs on basic and continuing education, incorporating tutorials, short courses, lectures, etc.

6.5 Journals Board – This Board is responsible for the oversight of Society journals. Voting members consist of Editors-in-Chief of Society journals and two members-at-large. Additional members can be appointed, including liaison Editors to other IEEE journals. Editors-in-Chief and Editors are appointed by the Director - Journals.

6.6 Magazines Board – This Board is responsible for the oversight of Society magazines. Voting members consist of Editors-in-Chief of Society magazines and two members-at-large. Additional members can be appointed, including liaison Editors to other IEEE magazines. Editors-in-Chief and Editors are appointed by the Director - Magazines.

6.7 Marketing Board – This Board is responsible for assuring a comprehensive and cost-effective marketing program of Society products and services and consists of at least three voting members in addition to the Chair.

6.8 Meetings & Conferences (M&C) Board – This Board is responsible for planning strategies, establishing policy, setting direction, and providing oversight for all conferences and workshops sponsored by the Society. Members shall represent the Society’s major conferences, key topics, communities and initiatives relevant to the M&C portfolio. There will be between 6 and 12 voting members. At least 3 chairs of ComSoc conference steering committees shall be voting members.
6.9 Membership Programs Development Board – This Board is responsible for oversight of Member activities and benefits programs. It consists of four Regional Directors plus three members per region selected by the Director – Membership Programs Development from a list of candidates, containing at least 6 names per region, submitted by each Regional Director.

6.10 On-Line Content Board – This Board is responsible for initiating, assessing and overseeing on-line content in support of, or as enhancements to, technical committee activities; new online services; and existing publications, conference and education products. Membership includes representatives from the Meetings & Conferences, Magazines, Journals, and Education boards, the Technical Activities and Membership Development councils, appointed by the respective Board and Council chairs, the CIO, and up to three additional members, all voting.

6.11 Regional Boards – These Boards will coordinate the activities of Members and Chapters throughout the IEEE regions. Regional Boards will promote Chapter activities and stimulate international participation in Technical Committees, meetings, and conferences; encourage international submissions to Society publications; cooperate and liaison with national scientific and professional societies. Each Board shall have a minimum of five voting members, in addition to the Chair.

- Asia/Pacific
- Europe, Africa, & Middle East
- Latin America
- North America

6.12 Related Societies Board – This Board is responsible for the oversight of Society collaborations with IEEE and other professional societies related to the field of communications worldwide and consists of at least three voting members, in addition to the Chair.

6.13 Sister Societies Board – This Board is responsible for the oversight and management of Society relationships and agreements with similar national/professional societies. Membership includes representatives from selected Sister Societies, in addition to three members-at-large, all voting.

6.14 Standards – This Board is responsible for the promotion and advancement of communication standards and standards-related activities, and is chaired by the Director - Standards. In addition to the Chair voting members consist of six (6) members, each appointed by the Chair for a three-year term, one-third of the members being appointed each year.

6.15 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 (and AD HOC) COMMITTEES

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

- Staff & Facilities
- Strategic Planning
- Nominations & Elections
- IEEE/ComSoc Coordination
- Awards

President
Past President/President-Elect
Past President
Past President
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 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 twelve 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.

7.4 Distinguished Lecturers Selection – This committee is responsible for establishing selection criteria and for the appointment of lecturers. It is chaired by the Secretary of the Technical Activities Council. Members consist of the Vice President - Technical Activities, Vice President - Membership Development, and the Director - Membership Programs Development.

7.5 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 two years with one-third appointed each year.

7.6 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 six 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.

7.7 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. Chair is the Vice President – Society Relations. Voting Members consist of the President, Past President, IEEE Division III Director, IEEE Division III Past Director, and Director – Related Societies.

7.8 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 of 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. The committee is chaired by the immediate Past President who serves a two-year term, assuming the Chair (in odd-numbered years) one full year after leaving office as President. The year directly following his/her term in office,
the immediate Past President serves as an ex officio voting committee member until assuming the Chair. If the immediate Past President is unable to serve, the President will appoint a Chair for a similar period, with the approval of the BoG. Committee members may not participate in deliberations on positions for which they may be under consideration as candidates. Meetings of this committee will always be held in Executive Session.

7.9 Staff & Facilities – This committee is responsible for providing oversight of the work of the professional staff and 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.

7.10 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. In even years, the Chair is the immediate Past-President. In odd years, the Chair is the President-Elect and the Past-President is a member of the committee.

7.11 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 Secretary 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.

7.12 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.

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

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

7.15 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. In 2002, the Society celebrated its 50th anniversary. The Society 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 thirty 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 40,000 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
In the 21st Century, membership growth has been stronger outside of the U.S.A. (Regions 1-6) and Canada (Region 7). Europe/Africa/Middle East (Region 8), Latin America (Region 9), and the Asia/Pacific (Region 10) have all seen increasingly significant growth.

Global Membership
48% U.S.A. — 68 Chapters
4% Canada — 13 Chapters
23% Europe/Africa/Middle-East — 41 Chapters
4% Latin America — 20 Chapters
21% Asia/Pacific — 35 Chapters

Members Work
With over 50% of 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.

53% Private Industry
23% Education
10% Consulting
8% Public/Government/Non-Profit
6% All other

Operations

Revenues and Expenses
The IEEE Communications Society currently has revenues and expenses over $15 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
33% Publications
11% Dues
4% Other

Expenses
41% Conferences
29% Publications
17% Administration
7% 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 network with the leaders who are changing the world of communications.

IEEE/OSA Conference on Optical Fiber Communications/National Fiber Optic Engineers Conference (OFC/NFOEC)

With more than 750 presentations focused on the industry’s hottest topics, FTTx and ROADMs at the top of the list, OFC/NFOEC again established itself as the leading technical conference for optical communications. Special industry sessions, like the Service Provider Summit and Market Watch, showcased the newest information and projections for the field and delivered messages to standing-room only audiences.

IEEE Wireless Communications and Networking Conference (WCNC)

Co-located with CTIA, the largest US exposition in the wireless field, WCNC includes five days of tutorials, applications sessions, and technical sessions, encompassing modulation, coding, data compression, and other “physical layer” issues as well as “network layer” issues such as routing, random access, multiple access, collision resolution, quality of service, and multimedia.

IEEE/IFIP Network Operations & Management Symposium (NOMS)

NOMS provides, not only an excellent opportunity for meeting the world’s top operations managers, developers and innovators, but also a perfect stage to voice ideas and proposals. NOMS focuses on the major management issues for emerging telecommunications environments.

IFIP/IEEE International Symposium on Integrated Network Management (IM)

The symposium provides a central technical forum for the research, standards, development, systems integration, vendor and user communities in network management.

IEEE International Conference on Communications (ICC)

IEEE ICC and IEEE GLOBECOM are the Communications Society’s flagship conferences, with a full program of technical and professional activities spanning the entire range of current topics in voice, data, image and multimedia communications.
IEEE International Enterprise Networking & Services Conference (ENTNET)

EntNet examines the current business drivers and network technologies for enterprise network managers in the emerging e-commerce world. It focuses not only on the latest networking strategies and technology alternatives, but also on the present state of enhanced applications and services that promise new vistas of global e-business opportunities.

IEEE Conference on Computer Communications (INFOCOM)

This annual conference addresses key issues related to computer communications, with emphasis on traffic management and protocols. Material is presented in a program of technical sessions, tutorials, panel discussions, and workshops.

IEEE Military Communications Conference (MILCOM)

MILCOM offers a full program of technical sessions, tutorials, keynote speakers, and panel discussions focusing on the technology, systems and operations for military and tactical communications networks.

IEEE Global Communications Communications Conference (GLOBECOM)

A full program of technical and professional activities spanning the entire range of hot topics in voice, data, image and multimedia communications. GLOBECOM is a perfect venue for participants to share technological expertise and human aspirations.

IEEE Consumer Communications & Networking Conference (CCNC)

Designed for industry leaders and practitioners, CCNC represents the latest approaches and technical solutions in the areas of consumer networking, enabling technologies such as middleware and multimedia, and novel applications and services.

IEEE International Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC)

Since 1992 PIMRC has attracted the major figures in the cellular, PCS, wireless LAN, and mobile data industries. Major topics are presented through keynotes, tutorials, technical and panel sessions. PIMRC is a conference suited to the evolving global market.
IEEE Conference on Sensor and Ad Hoc Communications and Networks (SECON)

SECON provides a forum to exchange ideas, techniques, and applications, discuss best practices, raise awareness and share experiences among researchers, practitioners, standard developers and policy makers in the field of sensor and ad hoc networks and systems. Technical papers address the communications, networking, systems and algorithmic aspects, as well as those that describe practical deployment and implementation experiences.

IEEE International Conference on Broadband Networks (BROADNETS)

BROADNETS, an international conference focusing on broadband networking, covers the range of next generation high bandwidth networks from access networks to regional and metropolitan networks to wide-area core networks. The conference consists of three symposia: Broadband Optical Networking Symposium; Broadband Wireless Networking Symposium; Broadband Applications/Service Symposium.

IEEE International Symposium on Dynamic Spectrum Access Networks (DySPAN)

Radio technology trends promise to enable "Dynamic Spectrum Access" (DSA) networks, using wide-band spectrum sensing, real-time spectrum allocation and acquisition, and infrastructureless mesh networks. These trends challenge the existing technologies and the traditional "command and control" methods of allocating and licensing spectrum by government fiat. IEEE DySPAN brings together the technologists designing and building these new exciting devices with the spectrum policy community.

IEEE/Create-Net Conference on Testbeds and Research Infrastructures for the Development of Networks and Communities (TridentCom)

TridentCom brings together all aspects related to experimental telecommunication infrastructures, creating a forum where telecommunication networks researchers, vendors, providers and users can exchange ideas on past experience, requirements, needs, visions for the establishment of such infrastructures.
SecureComm brings together academic, industrial and government researchers, practitioners, standards developers and policy makers to focus on two specific areas: security and privacy in wireless, mobile, ad hoc, sensor, personal-area and RFID networks; and security and privacy in pervasive and ubiquitous computing.

IEEE International Conference on Multimedia & Expo (ICME)

ICME brings together researchers, engineers, and students to discuss state-of-the-art research, technologies and applications in multimedia. In addition to paper presentations, the ICME features distinguished keynote speeches, tutorials, and poster presentations. ICME also hosts industrial exhibitions and academia research demonstrations.

Publications

From magazines to journals to online access, 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 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® "2003 Journal Citation Report." ComSoc publications occupied 8 of the top 10 places for impact factor:

1. Network Magazine
2. Personal Communications
3. Communications Magazine
5. Journal on Selected Areas in Communications
7. Transactions on Communications
8. Wireless Communications Magazine
9. Transactions on Wireless Communications
10. Communications Letters
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. In addition to its in-depth technical articles, it also has other important features and regular departments like:

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

**IEEE Optical Communications**, a quarterly embedded supplement dedicated to fiber optics technology, is distributed free to members as part of **IEEE Communications Magazine**.

**IEEE Radio Communications**, a quarterly embedded supplement presenting in-depth, cutting-edge tutorials, emphasizing state of the art design solutions, involving physical and other lower layer issues in radio communications, is also distributed free to members as part of **IEEE Communications Magazine**.

**IEEE Network: The Magazine of Global Internetworking** is led by its dynamic editorial board and by 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 monthly 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.

IEEE Communications Surveys and 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 web site visitors have free access to this online publication.

IEEE Pervasive Computing Magazine, cosponsored by the IEEE Computer Society and Communications Society, focuses on mobile and ubiquitous computing. The convergence of mobile computing devices and wireless communication technologies opens the door to the new world of pervasive computing.
IEEE Transactions on Mobile Computing, a quarterly 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 engineers and other 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 Sensors Journal, a bimonthly journal, focuses on the theory, design, fabrication, manufacturing and applications of devices for sensing and transducing physical, chemical and biological phenomena with emphasis on the electronics and physics aspects of sensors and integrated sensor-actuators.

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; the editorial board sponsors special issues and invites tutorial and review papers from world experts.

IEEE Transactions on Intelligent Transportation Systems concentrates on the design, analysis, and control of information technology as it is applied to transportation systems, including vehicles and infrastructure.

eTransactions on Network and Service Management (eTNSM) is an introductory initiative of the IEEE Communications Society for 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. Visitors to the Communications Society Digital Library are invited to register for free access.

IEEE Communications Society publications are available online. See the publications area on the ComSoc web site at www.comsoc.org or the IEEE web site at www.ieee.org.
Up-to-date electronic versions of ComSoc traditional print publications are available to members and subscribers through the ComSoc web site. Most publication papers are available as pdf or html files. 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.

CommOntology, Patent References, and My ComSoc
- Faster, easier, authoritative use with the Communications Ontology recommendation engine, subject experts, author profiles, reference and citation linking.
- Includes 14,000+ US Patent Citation Links to 3,000+ ComSoc papers.
- Now with My ComSoc customization. Save searches. Sign up for new content alerts.

**ComSoc Digital Library** and **ComSoc Digital Library Plus Packages**
ComSoc members can have electronic access only to the electronic editions of society publications:
- *Network Magazine,*
- *Wireless Communications Magazine,*
- *Transactions on Communications,*
- *Communications Letters,*
- *Journal on Selected Areas of Communications,*
- *Transactions on Networking,*
- *Transactions on Wireless Communications.*

In addition, current conference proceedings include: ICC, GLOBECOM, WCNC, MILCOM, NOMS, IM, and INFOCOM. The optional Digital Library package of electronic access provides current year files and the previous three years, about 11,000 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 37,000 papers. Access is through the Communications Society web site.
ComSoc's Enhanced Conference Tutorial Program -
*Tutorials Now* presents a collection of tutorials
given by international experts at recent ComSoc
sponsored conferences, such as the IEEE
Conference on Computer Communications
(INFOCOM), IEEE International Conference on
Communications (ICC), IEEE Global Communications Conference (GLOBECOM),
the IEEE International Symposium on Integrated Network Management
(IM/NOMS), and the IEEE Wireless and Communications Networking
Conference (WCNC).

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 self-study tutorials, you can play the
presentation at anytime.

Some of the most recent titles are:

- Optical Burst Switching for IP/WDM Integration
- WDM: Technology & Networks
- Networked Appliances: What they are, how they work and challenges to
  adoption
- MAC Protocols for Wireless Sensor Networks
- Ultra Wide Band in Distributed Wireless Networks
- Traffic Measurement in IP Networks
- Wireless Communication Systems – A Journey from 1st Generation to 3rd
  Generation and Beyond
- Mobility Management in Next Generation Networks
- Heterogeneous Wireless IP Networks – Architectures and Requirements
- UWB Signals and Systems in Communication Engineering
- Engineering Value Added Services In Next Generation Networks
- 3G Wireless System
- Broadband Fixed Wireless Access
- Architectures of Intelligent Optical Networks
- Autonomic Networking – Theory and Practice
- Turbo Codes: Performance Analysis, Design, Iterative Decoding and
  Applications
- Wireless LANs: Business Models, Technologies, Deployment, and Challenges
- Mobile Ad Hoc Networks: Routing, MAC and Transport Issues
- Home Networking: Market Drivers, Technologies, and Business Models
- Essentials of Enterprise Continuity
- Internet Infrastructure Security
- Implementing Service Quality for IP-based Services in Wireless Environment
- Security and Information Assurance
Half-day or full day tutorials can be purchased through the IEEE Communications Society Web site. Highspeed internet connectivity suggested. PCs only.

For more information, visit www.comsoc.org/tutorialsnow/ or email to tutorialsnow@comsoc.org

Other Electronic Services and Products

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.

Communications Engineering Technology:
A Comprehensive Collection of Papers 1953-2004

A 3 DVD library of more than 36,000 technical research/industry papers published by the IEEE Communications Society from the Society’s inception in 1952 through the end of 2004. Unique and unparalleled in breadth, depth, and scope, the collection covers all the important breakthroughs with peer-reviewed papers from more than 32,000 authors of the past half-century. Selected IEEE Communications Society conference proceedings from 1998 - 2004 are also included. Available through www.shop.ieee.org.

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 IEL, ASPP, or POP packages. See the IEEE web site at www.ieee.org for more information. Individual papers are available for purchase electronically through IEEE Xplore or the Communications Society Digital Library.

Standards

Standards under development:
Headquarters, Regional Office & IEEE Member Services
www.comsoc.org/contact.html

Headquarters - New York, USA

IEEE Communications Society
3 Park Avenue, 17th Floor • New York, NY 10016
Tel: +1 212 705 8900 • Fax: +1 212 705 8999
society@comsoc.org, www.comsoc.org

Singapore Office

Fanny Su Beh Noi, Manager
IEEE Communications Society
59E Science Park Drive, The Fleming, Singapore Science Park
Singapore 118244, SINGAPORE
Tel. +65 778 2873, Fax: +65 778 9723, Email: f.su@ieee.org

IEEE Member Services

IEEE Operations Center
445 Hoes Lane, Piscataway, NJ 08854, USA
Tel: + 1 800 678 IEEE (4333), Fax: + 1 732 562 6380
Outside USA & Canada: Tel: +1 732 981 0060
Email: member-services@ieee.org
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