IEEE Communications Society

Overview

May 2013
... a diverse group of international communications professionals with a common interest in advancing all communications technologies. Toward that end it sponsors publications, conferences, educational programs, local activities, and technical committees that:

- Foster original work in all aspects of communications.
- Encourage applications for voice, data, image, and video communications and the integration of computing and communications.
- Promote the theory and development of end–to–end communications networking and systems.
- Advance communications infrastructure and technologies for systems including the Internet, personal communications, multimedia communications, enterprise networks, and optical communications.
To be the organization of choice for communications and related professionals throughout the world

- World-leading membership services
- Professional values, diverse volunteerism and sound management
- Magnet for presentation and debate attracting the best people and the best work in the world
- Financial strength with defined strategic directions
- Agility and response to member needs in a timely fashion
The IEEE Communications Society promotes the advancement of science, technology and applications in communications and related disciplines. It fosters presentation and exchange of information among its members and the technical community throughout the world. The Society maintains the highest standard of professionalism and technical competency.
Strategic Elements

- Agility in response to member needs and world industry dynamics
- Applications of electronic processes
  - Web, CD-ROM, other
  - Electronic attendance
  - Electronic commerce
- Information Gateway
- Experimental Innovation
- Membership “stretch” goals
- Accelerated globalization in all aspects
- Partnership with the world industry
- Cooperation with the IEEE Computer Society/other IEEE Societies/Sister-Societies
- Health of the parent organization and its smaller Societies
Virtual Communications Society

The expanded and extended community of communications industry professionals sharing the common interest of advancing communications technologies.

- Serving member and nonmember needs
- Interacting extensively with ComSoc's Information Gateway
- Offering electronic publication
- Developing online education and reference
- Facilitating electronic attendance
- Supporting electronic commerce
- Fostering global collaboration
Membership

- 1952 IRE Professional Group on Communications Systems (PGCS)
- 1964 IEEE Group on Communications Technology (ComTech) – 4,400
- 1972 IEEE Communications Society (ComSoc) – 8,800

Membership Growth:
- 1952: 700
- 1962: 4,400
- 1972: 8,800
- 1982: 17,200
- 1992: 36,200
- 2002: 53,886
- 2012: 50,702

Geographical Breakdown:
- US: 78 Chapters (40%)
- Asia/Pacific: 44 Chapters (24%)
- Europe/Middle East/Africa: 54 Chapters (26%)
- Latin America: 25 Chapters (6%)
- Canada: 15 Chapters (4%)
**Member Profile**

**Members by Grade**

- Members: 63%
- Senior Members: 10%
- Fellows: 2%
- Associates: 4%
- Graduate Students: 9%
- Students: 9%
- Affiliates: 3%
- Self-Employed/Consulting: 3%
- Public/Gov't: 5%
- All Other: 5%
- Educational Institutions: 31%

All Other includes retired and unemployed.

**Member Employment**

- Private Industry: 37%
- Educational Institutions: 31%
- Students: 19%
- Self-Employed/Consulting: 3%
- Public/Gov't: 5%
- All Other: 5%

5/10/2013
**Revenue** ($17 million budget)

- Conferences: 51%
- Publications (including advertising): 38%
- Dues: 7%
- Other: 4%

**Expenses**

- Conferences: 48%
- Membership & Marketing: 18%
- Programs: 8%
- Administration: 19%
- Publications: 4%
- Other: 4%
Publications

- IEEE Communications Magazine
- Global Communications Newsletter
- Optical Communications
- Radio Communications
- IEEE Wireless Communications Magazine
- IEEE Network: The Magazine of Global Internetworking
- IEEE Transactions on Communications
- IEEE Journal on Selected Areas in Communications
- IEEE Communications Letters
- IEEE Transactions on Wireless Communications
- IEEE Wireless Communications Letters
- IEEE/ACM Transactions on Networking
- IEEE Transactions on Network and Service Management
- IEEE/KICS Journal of Communications and Networks
- IEEE Transactions on Multimedia
- IEEE Transactions on Mobile Computing
- IEEE/OSA Journal of Lightwave Technology
- IEEE/OSA Journal of Optical Communications and Networking
On Line Publications

- **ComSoc Digital Library (and Digital Library Plus)**

- **IEEE Communications Magazine** (digital delivery – page turning pdf edition)

- **IEEE Communications Surveys and Tutorials** (online only publication)

- **IEEE Transactions on Network and Service Management (TNSM)**
  (online only publication)

- **ComSoc e-News** (free monthly message to members and requesters)

- **ComSoc Webinars** (irregularly scheduled real time events on specific topics)

- **IEEE Wireless Communications Professional**
  (free bi-monthly newsletter for those interested in WCET certification)

- **Tutorials Now** (online full and half-day tutorials, originally presented at ComSoc conferences)

- **ComSoc Webcasts** (live webcasts of selected sessions/keynotes from ComSoc conferences)

- **ComSoc Best Readings** (collections of books, articles, and papers on a featured topic)

- **ComSoc Technology News (CTN)** (summaries of interesting papers and articles from ComSoc pubs)

communications Society journals and transactions also available electronically through IEEE’s www site – Xplore
# Major Conferences

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<thead>
<tr>
<th>Conference</th>
<th>Description</th>
<th>Attendance</th>
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<tbody>
<tr>
<td>IEEE GLOBECOM</td>
<td>Global Communications Conference (November/December)</td>
<td>1500-2000</td>
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<tr>
<td>MILCOM</td>
<td>Military Communications Conference Joint with AFCEA (Managing Partner) (October)</td>
<td>2000-2500</td>
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<tr>
<td>NOMS</td>
<td>IEEE/IFIP Network Operations and Management Conference -- even years (April)</td>
<td>500</td>
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<tr>
<td>IM</td>
<td>International Symposium on Integrated Network Management -- odd years (May)</td>
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<tr>
<td>SECON</td>
<td>Conference on Sensor and Ad Hoc Communications and Networks (October)</td>
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<tr>
<td>IEEE DYSPAN</td>
<td>Symposium on Dynamic Spectrum Access Networks (April)</td>
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<tr>
<td>IEEE ICC</td>
<td>International Conference on Communications (May/June)</td>
<td>1500-2000</td>
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<tr>
<td>OFC/NFOEC</td>
<td>Optical Fiber Communication Conf./National Fiber Optics Engineers Conf. Joint with Photonics Society and OSA (Managing Partner) (March)</td>
<td>15,000+</td>
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<tr>
<td>WCNC</td>
<td>Wireless Communications and Networking Conference (March)</td>
<td>450</td>
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<tr>
<td>IEEE INFOCOM</td>
<td>International Conference on Computer Communications (May)</td>
<td>700</td>
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<tr>
<td>CCNC</td>
<td>Consumer Communications and Networking Conference (January)</td>
<td>300+</td>
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<tr>
<td>PIMRC</td>
<td>International Symposium on Personal, Indoor and Mobile Radio Communications (September)</td>
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In addition, ComSoc sponsors or cosponsors an average of 60+ conferences, symposiums and workshops each year.
How to Become a Member

To join the IEEE and/or the Communications Society, complete the on-line application or request an application form via:

web: www.comsoc.org or www.ieee.org

e-mail: new.membership@ieee.org

tel: +1 800 678 IEEE (USA or Canada)
    +1 732 981 0060 (worldwide)

fax: +1 732 981 0225

mail: IEEE Operations Center
     445 Hoes Lane, P.O. Box 6801
     Piscataway, NJ 08854-4141 USA
Technical Activities

Len Cimini, Vice President

Technical Committees

www.comsoc.org/about/committees/Technical

Ad Hoc & Sensor Networks
Cognitive Networks
Communications & Information Security
Communications Quality & Reliability
Communications Software
Communications Switching & Routing
Communications Systems Integration & Modeling
Communication Theory
Computer Communications
Data Storage
e-Health
High-Speed Networking

Information Infrastructure & Networking
Internet
Multimedia Communications
Network Operations & Management
Optical Networking
Power Line Communications
Radio Communications
Satellite & Space Communications
Signal Processing & Communications Electronics
Tactical Communications & Operations
Transmission, Access & Optical Systems
Wireless Communications
IEEE WCET® Certification
Wireless Communication Engineering Technologies

- 2013 Spring exam window: 7 Apr – 4 May; Fall exam window : 29 Sep – 2 Nov
- 80 page Candidate’s Handbook available; print and/or pdf
- IEEE WCET® WWW site: Apply, Learn More, Resources
- Bi-monthly IEEE Wireless Communications Professional® e-newsletter
- Practice Exam Raffle at conferences and trade shows
- Online Tutorials available; ComSoc training
Courses focus on practicing wireless communications

1, 3, 5-day wireless communications training – derived from WCET certification

5-day virtual intensive course on wireless communications engineering – maximum 75 seats – most popular; scheduled several times in 2013; early bird pricing; includes WEBOK and handout (400+ slides); 2 hours in am and 2 hrs in pm; positive audience feedback

3 day live events

1 day in-person courses with events; 4G World; IWCE

1 day virtual courses

New courses on M2M, SON – Self Organizing Networks, VoLTE

Additional professional development courses coming
Membership Development

Contact: Mehmet Ulema -- m.ulema@ieee.org

**Distinguished Lecturers/ Speakers Programs**
Designated speakers available to speak at Chapter and Section functions.

**Chapter Achievement Awards**
Selected chapters will be recognized through plaques and monetary awards. Interested Chapter Chairs must complete the annual Chapter Questionnaire.

**Chapter Funding for Activities**
Funding to assist ComSoc Chapters in their activities.

**Membership Development Support Grants (MDSG)**
Funding for initiatives to facilitate membership development.
Awards

Career Awards

IEEE Communications Society Edwin Howard Armstrong Achievement Award
IEEE Communications Society Distinguished Industry Leader Award
IEEE Communications Society Industrial Innovation Award
IEEE Communications Society Award for Public Service in the Field of Telecommunications

Service Awards

IEEE Communications Society Donald W. McLellan Meritorious Service Award
IEEE Communications Society Harold Sobol Award for Exemplary Service to Meetings & Conferences
IEEE Communications Society Joseph LoCicero Award for Exemplary Service to Publications
IEEE ComSoc/KICS Exemplary Global Service Award

Paper Awards

The Communications Society Best Tutorial Paper Award
The Communications Society Fred W. Ellersick Prize
The IEEE Communications Society Heinrich Hertz Award for Best Communications Letter
The Communications Society Leonard G. Abraham Prize in the Field of Communications Systems
The Communications Society Stephen O. Rice Prize in the Field of Communications Theory
The Communications Society William R. Bennett Prize in the Field of Communications Networking
IEEE Communications Society/Information Theory Joint Paper Award
IEEE Marconi Prize Paper Award in Wireless Communications
IEEE Communications Society Award for Advances in Communication
ComSoc Social Media

Likes • Followers • Members
A Unique Social Network Community with Communications Technical Interest

Total Likes: 220,000+
Total Followers: 4,900+
Total Members: 8,300+

51 locations; 250,000+ connectors
IEEE ComSoc

Meetings & Conferences

Online Services

Recognition & Awards

Technical Activities

Education, Tutorials & Certification

Chapter Support & DLTs

Publications & Digital Library

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

Lecture tours will be supported as the budget allows in each of our four Regions: Asia/Pacific, Europe/Middle-East/Africa, Latin America, and North America. The Director in each region plays a key role as facilitator.

For more information go to www.comsoc.org and “About ComSoc;” scroll to Member Programs; then Distinguished Lecturers.
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