

IEEE Region 8 Technical Activities Report March 2011



Saurabh Sinha, Vice-Chair: Technical Activities ✉ ssinha@ieee.org

The Vice Chair (VC) of IEEE Region 8 Technical Activities (TA) is responsible for coordinating Region 8 activities related to technical societies' chapters, council chapters, conferences, educational activities (EA), standards and industry relations.

- The VC TA shall create an atmosphere conducive for fostering innovative ideas and new initiatives that support Region 8 goals and objectives in the abovementioned areas, paving the road for successful implementation.
- The VC TA shall be elected by the Region 8 Committee from nominations provided by the Region 8 Nominations and Appointment Subcommittee. The term of his/her office shall be one year. After having served one term the VC shall be eligible to be re-elected for up to two additional one year terms.
- The VC TA shall report to Region 8 on TA subcommittees & coordinators activities.
- The VC TA shall work with the "wider IEEE" towards enabling the Region 8 vision.

Core Values:

The IEEE REGION 8 Technical Activities believes in:

- **Inclusiveness** – Embracing diversity of Region 8 members and their careers. Respecting each other's values with honesty and transparency.
- **Networking** – Creating an engaged, interactive community of technical professionals from both industry and academic sectors
- **Professionalism** – Maintaining the highest level of professional and ethical standards.
- **Technical Excellence** – Disseminating high quality scientific and technical information in a timely, equitable and objective manner.
- **Volunteerism** – The driving force of Region 8 Technical Activities

Goals of IEEE REGION 8 Operating Committee (OpCom):

Following are the proposed 2011 IEEE REGION 8 OpCom Goals:

- Build a friendly atmosphere within the Region
- Increase the number of young engineering members from the industry
- Encourage chapters and student branches to enhance their activity
- Continue the implementation of best practices

Long Term Goals of REGION 8 Technical Activities:

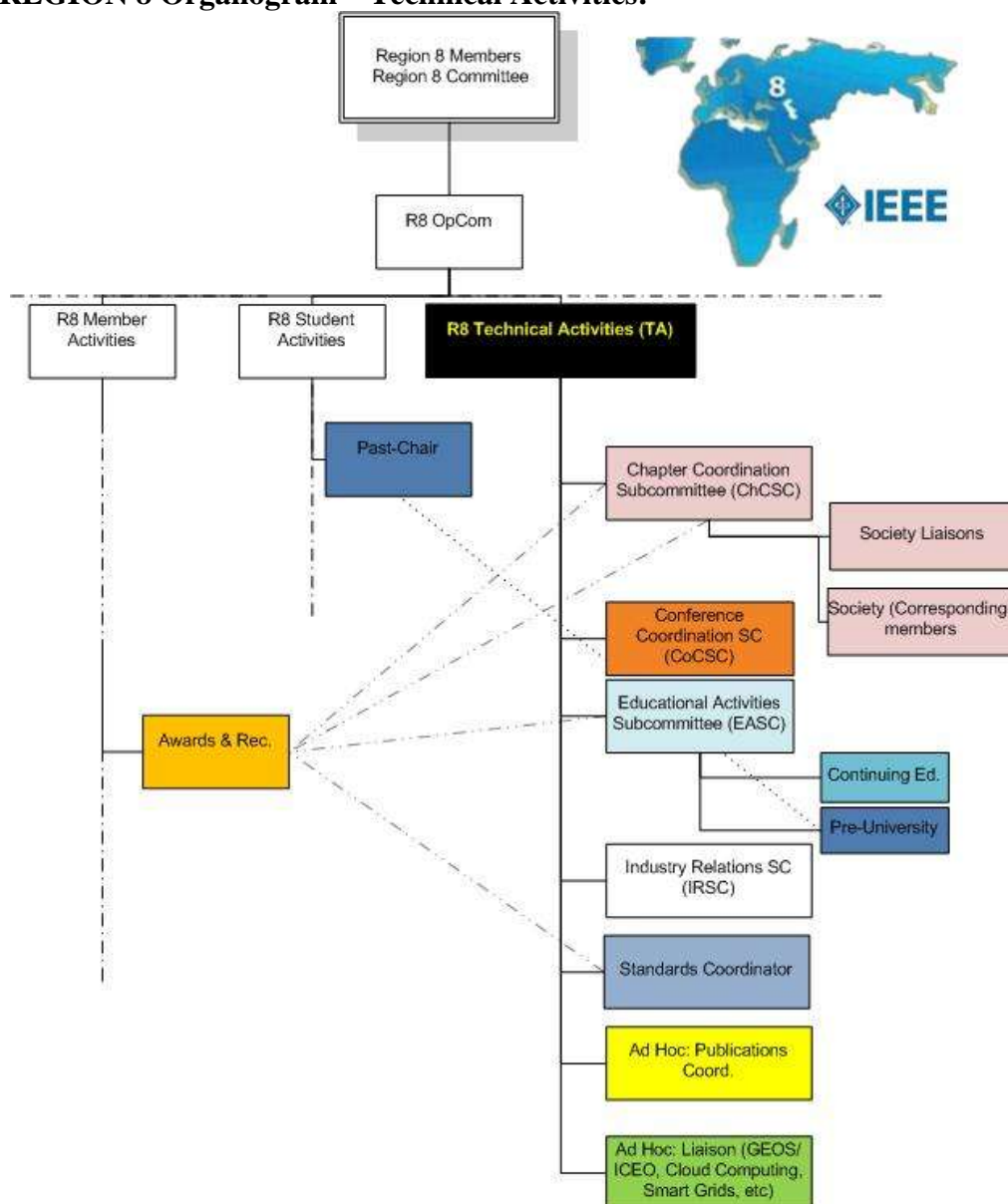
- Industry and Practitioners – Industry professionals and their employers will value IEEE Region 8 TA as major resource to achieve success
- Information and Knowledge Development – Knowledge generators will regard IEEE Region 8 TA as the organization of choice to promote innovative technical

communities

- Education – Region 8 TA will improve professional competencies by providing targeted education and support for students and professionals
- Community Collaboration – IEEE Region 8 TA will foster a dynamic ecosystem where technical communities preserve their individuality but at the same time collaborate in an open environment where the total value is greater than the sum of the parts.
- Organization and Structure – IEEE Region 8 TA will be a best of class model organization allowing balance between consistency and autonomy

For more information - refer to the [Region 8 Governing Documents](#).

IEEE REGION 8 Organogram – Technical Activities:



Appendix A provides the complete integration of the structure for TA within the broader context of the IEEE.

REGION 8 Technical Activities Subcommittees & Coordinators:

REGION 8 TA Members email: R8TA@LISTSERV.IEEE.ORG

1. [Chapter Coordination Subcommittee](#) [ChCSC]

- [Daniel Pasquet](#) (France)
- [Society/Council liaisons](#)
- [Muhammad Mustafa](#) (Jordan) - Student Chapter Coordinator

2. [Conference Coordination Subcommittee](#) [CoCSC]

- [Carl deBono](#) (Malta)
- [Karl Gudmundsson](#) (Iceland)
- [Gerhard Hancke](#) (South Africa) - Corresponding member

3. [Educational Activities Subcommittee](#) [EASC]

- [Bakr Hassan](#) (Saudi Arabia)
- [Eva Lang](#) (Germany) (Preuniversity Activities)
- [Fotini-Niovi - Pavlidou](#) (Greece) (Continuing Education)

4. [Industry Relations Subcommittee](#) [IRSC]

- [Ghaleb Al-Dandan](#) (Saudi Arabia)
- [João Figueiras](#) (Portugal)
- TBD

5. [Standards Coordinator](#) [SA]

- [David Law](#) (UKRI)

6. Ad-Hoc Coordinator: [Technical Activities Board \(TAB\) Committees Liaison](#) [TC]

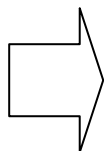
- [Vladimir Katić](#) (Serbia and Montenegro)

7. Ad-Hoc Coordinator: [Technical Publications Coordinator](#) [PC]

- [Stefano Zanero](#) (Italy)

Structural Changes**2010**· [Technical Activities](#)

- [Chapters](#)
- [Conferences](#)
- [Educational Activities](#)
- [Industry Relations](#)
- [Standards](#)
- [New Initiatives](#)
 - [ICED](#)
 - [Energy](#)

**2011 (See Appendix A)**· [Technical Activities](#)

- [Chapters](#)
- [Conferences](#)
- [Educational Activities](#)
- [Industry Relations](#)
- [ICED](#)
- [Energy](#)
- [Standards](#)
- [TAB Committees Liaison](#)
- [Technical Publications Liaison](#)

Chapter Coordination Subcommittee (ChCSC)

Region 8 Coordinator for Chapters: [Daniel Pasquet](#) (France)

Vision:

Ensure Quality Chapter Opportunities Through Continuous Engagement of [Society and Council Coordinators](#) (see linkage diagram to the [wider IEEE](#) (Appendix A))

Society	Name	e-mail
BT002	Bill Hayes	Hayes@iptv.org
COM019	Liz Burd	liz.burd@durham.ac.uk
CE008	Ezendu Ariwa	e.ariwa@londonmet.ac.uk
E025	Manuel Castro	mcastro@ieec.uned.es
DEI032	Paul Lewin	pll@ecs.soton.ac.uk
E025	Frank Schwierz	Frank.Schwierz@tu-ilmenau.de
EMB018	Christopher James	C.James@soton.ac.uk
EMC027	Sergio Pignari	sergio.pignari@polimi.it
EMC027	Frank Sabath	Frank.Sabath@ieee.org
IA034	Péter Magyar	peter.magyar@ieee.org
IM009	Mihaela Albu	albu.marilena@gmail.com
MTT017	Jan Machac	machac@fel.cvut.cz
PC026	Hazel Sales	hsales@marjon.ac.uk
PE031	Meliha Selak	melihase@ieee.org
PHO036	Ian White	ihw3@cam.ac.uk
RL007	Robin Bloomfield	reb@csr.city.ac.uk
SMC028	Fang Xu	datuan12345@hotmail.com
SSC037	Rakesh Kumar	rakesh@tcxinc.com
Supercond.*	Simonetta Turtu	simonetta.turtu@enea.it
UFFC020	Steven Freear	s.freear@leeds.ac.uk
VT006	Fernando Velez	fjv@ubi.pt

Student
Chapters Muhammad Mustafa mu.kh.mustafa@gmail.com

*Council

Mission:

Inspire, Enable, Empower and Engage Chapters of Region-8 for the purpose of

- fulfilling the mission of **IEEE**
- enhancing the Chapter's growth and development
- providing a professional home

IEEE Aerospace and Electronic Systems	AES010
IEEE Antennas and Propagation	AP003
IEEE Broadcast Technology	BT002
IEEE Circuits and Systems	CAS004
IEEE Communications	COM019
IEEE Components, Packaging, & Manu. Tech.	CPMT021
IEEE Computational Intelligence	CIS011
IEEE Computer	C016
IEEE Consumer Electronics	CE008
IEEE Control Systems	CS023
IEEE Dielectrics and Electrical Insulation	DEI032
IEEE Education	E025
IEEE Electromagnetic Compatibility	EMC027
IEEE Electron Devices	ED015
IEEE Engineering in Medicine and Biology	EMB018
IEEE Geoscience and Remote Sensing	GRS029
IEEE Industrial Electronics	IE013
IEEE Industry Applications	IA034
IEEE Information Theory	IT012
IEEE Instrumentation and Measurement	IM009
IEEE Intelligent Transportation Systems	ITS036
IEEE Magnetics	MAG033
IEEE Microwave Theory and Techniques	MTT017
IEEE Nuclear and Plasma Sciences	NPS005
IEEE Oceanic Engineering	OEO22
IEEE Photonics	PHO036
IEEE Power Electronics	PEL035
IEEE Power & Energy	PE031
IEEE Product Safety Engineering	PSE043
IEEE Professional Communication	PC026
IEEE Reliability	RL007
IEEE Robotics and Automation	RA024
IEEE Signal Processing	SP001
IEEE Social Implications of Technology	SIT030
IEEE Solid-State Circuits	SSC037
IEEE Systems, Man, & Cybernetics	SMC028
IEEE Ultrasonics, Ferroelectrics, & Frequency Control	UFFC020
IEEE Vehicular Technology	VT006

For more information - refer to the [Region 8 Governing Documents](#).

Principles:

The Chapters are the main fields of the members' activity

- Members shape **IEEE**'s future in Chapters
- Members collaborate to create **IEEE**'s future in Chapters
- **IEEE** organization units (OUs) enhance members' future in Chapters

Goals:

- Increase membership and member engagement in Chapters
- Improve the quality of technical activities
- Increase operational efficiency and effectiveness of Chapters and Chapter Coordinators
- Improve relationships with and between Societies, Councils, Sections and Chapters (including Student Branch Chapters)
- Enhance collaboration with other **IEEE** organization units and other professional organizations

Useful link(s):

[Chapter Chair Training](#) (IEEE Centre for Leadership Excellence)

Conference Coordination Subcommittee (CoCSC)

Region 8 Coordinator for Conferences: [Carl Debono](#) (Malta).

Supporting team member: [Karl Gudmundsson](#) (Iceland)

Corresponding member: [Gerhard Hancke](#) (South Africa)

The objective of Conference Coordination Subcommittee (CoCSC) is to facilitate effective and timely conference planning and execution in the Region.

- For more information - refer to the [Region 8 Governing Documents](#).
- See linkage diagram (CoCSC - the [wider IEEE](#) (Appendix A))

Incoming R8 Conferences

- [EUROCON 2011 April 28-30, Lisbon, Portugal](#)
- [AFRICON 2011 September 13-15, Victoria Falls, Zambia](#)
- [ENERGYCON 2012 September 9-12, Florence, Italy](#)
- [SIBIRCON 2012 August 19-24, Vladivostok, Russia](#)
- MELECON 2012 April, 2012, Tunis
- EUROCON 2013 July 2-5, Zagreb, Croatia

Looking for IEEE Organizational Unit(s) Candidates to Organize Future R8 Conferences

- AFRICON 2013
Proposal (incl. budget) received from Mauritius ; also from Nigeria
- ENERGYCON 2014
- EUROCON 2015
- MELECON 2014
- HISTELCON 2012

CoCSC Functions

1. Encourage Region 8 Committees and Sections to develop conferences to meet the specialized interests of their members. Use the accumulated experience of the Region to help ensure early success of such ventures.
 2. Act as the focal point for information about IEEE conferences being scheduled in Region 8.
 3. Periodically review the effectiveness of all conferences sponsored or co-sponsored by Region 8. Recommend improvements as appropriate to the conference leadership, hosting section and associated activities. Suggest new conferences where a need is recognized and suggest termination of conferences no longer needed or posing undue financial liability.
 4. Assist with conference related questions.
 5. Assist in creating the content for Region 8 conferences web pages.
 6. Maintain an awareness of the availability of professional conference management services and suggest the use of such services where appropriate. Give assistance in the negotiation of contracts for service. Review all such contracts where Region 8 might
-

- have financial liability and make recommendations to the Region 8 Operating Committee regarding approval of such contracts.
7. Solicit invitations from Sections in Region 8 to host the flagship R8 conferences in accordance with Region 8 and IEEE Bylaws.
 8. Develop & maintain general guidelines for IEEE Region 8 sponsored conferences to ensure a high quality of the related conferences end products and services, and revise as appropriate.
 9. Make all conference leaders aware of potential schedule conflicts between conferences without undue concern where geography or different technical interests limit the impact of schedule proximity.
 10. Manage the budget of the Conference Committee if R8 is financially liable.
 11. Maintain historical records, and obtain, develop and keep current documentation on Region 8 conferences.
 12. Submit pertinent and timely conference information to the Region 8 Newsletter Editor.
 13. Represent the Region at IEEE Conference workshops and meetings.
 14. Coordinate area and/or region wide conferences offering dates and locations of conferences to avoid overlaps.
 15. Consolidate a list of all technical society conferences with associated information that are coming into Region 8.
 16. Distribute information on Region venues to technical societies.
 17. Cooperate with Region 8 Membership Development Committee and Industry Relation Subcommittee (IRSC).

Requirements and Forms for Region 8 Sponsored and Co-Sponsored Conferences

Following documents are available for conference organizers asking Region 8 for Financial Sponsorship or Technical Co-Sponsorship:

- [Requirements, Application Form, and Terms of Agreement for Region 8 Sponsored and Co-Sponsored Conferences \(the level of Region 8 sponsorship is defined in Appendix on the end of this document\),](#)
- [Memorandum of Understanding \(MoU\) Form with Instruction \(only for Financial Sponsorship\)](#)

Region 8 Co-Sponsored Conferences

Go to the [IEEE R8 Calendar](#) to have a full list of IEEE conferences in Region 8.

Conference Archives - Previous Region 8 Conferences (Proceedings)**AFRICON**

- 2009: [Nairobi, Kenya, September 22-25](#)
- 2007: [Windhoek, Namibia, September 26-28](#)
- 2004: [Gaborone, Botswana, September 15-17](#)

ENERGYCON

- 2010: [Manama, Bahrain, December 18-21](#)

EUROCON

- 2009: [Saint-Petersburg, Russia, May 18-23](#)
- 2007: [Warsaw, Poland, September 9-12](#)
- 2005: [Belgrade, Serbia, November 21-24](#)

HISTELCON

- 2010: [Madrid, Spain, November 3-5](#)
- 2008: [Paris, France, September 11-12](#)

MELECON

- 2010: [Valletta, Malta, Apr. 26-28](#)
- 2008: [Ajaccio, France, May 5-7](#)
- 2006: [Torremolinos \(Málaga\), Spain, May 16-19](#)
- 2004: [Dubrovnik, Croatia, May 12-15](#)

SIBIRCON

- 2010: [Irkutsk Listvyanka, Russia, July 11-15](#)
- 2008: [Novosibirsk, Russia, July 21-25](#)

1. Communication / call for papers to members - Region 8





Several Region 8 conference organizers continue to extend conference/workshop calls/invitations to our members in Region 8.

While the activities are noted in a positive spirit, our members are somewhat crowded by the stack that gets lined-up via IEEE's e-Notice system. We are therefore proposing that those conferences, who have a signed Memorandum of Understanding (MoU) with IEEE Region 8 can send brief information to the Conference Coordination Subcommittee (CoCSC) Chair, who will create a single, but brief message (once a month), and send this out as a "monthly" digest to our members in Region 8.

The digest could be part of the Region 8 Gazette, which will be sent once a month. Additionally, conferences with formal association with Region 8, could benefit from a special issue of the Gazette, which could be sent every 2 weeks.

2. Training material

IEEE Members or Volunteers interested in setting up an IEEE conference in partnership with one or more technical IEEE organizational units (OUs) in Region 8, please refer to the training material:

-  [Conference Basics - How to Start a Conference? \(PDF\) PDF document](#)
-  [Create a Memorandum of Understanding - Conferences \(PDF, 244KB\) PDF document](#)
-  [Conference Initiation: Information Schedule and Benefits \(PDF, 3,865KB\) PDF document](#)
-  [Conference Finance: Best Practices from Initial Setup to Conference Close \(PDF, 685KB\)](#)

Educational Activities Subcommittee (EASC)

Region 8 Coordinator for Educational Activities: [Bakr Hassan](#) (Saudi Arabia).

- Supporting team member: [Eva Lang](#) (Germany) (Preuniversity Activities)
- Supporting team member: [Fotini-Niovi - Pavlidou](#) (Greece) (Continuing Education)

Complete [job description](#) for the Regional Chair - Educational Activities.

- (see linkage diagram to the [wider IEEE](#) EAB (Appendix A))
- For more information (specific to Region 8) - refer to the [Region 8 Governing Documents](#).

Our actions program is mainly based on the following two objectives:

- **[Preuniversity education](#)**
 - To inform the Sections on available IEEE EAB products, support and services those wanted to implement them.
- **[Accreditation activities](#)**
 - To support the IEEE Committee on Global Accreditation Activities (CGAA) towards establishing and supporting regional accreditation bodies.
- **[Continuing education](#)**
 - Increase the number of Sections/Chapters using IEEE learning eLibrary and Technical English Programs. Continue to participate on ICED initiative.

EASC is facilitated in Sections via Section Educational Activities Committee Chairs, a job description is available here (http://www.ieee.org.za/EA/SEOC/section_chair_position_description_nov_2010_v5.doc).

- Quick training is available:
- <http://ieee-elearning.org/outreach/mod/resource/view.php?inpopup=true&id=404>
<http://ieee-elearning.org/outreach/mod/resource/view.php?inpopup=true&id=404>

Industry Relations Subcommittee (IRSC)

Region 8 Coordinator for Industry Relations: [Ghaleb Dandan](#) (Saudi Arabia)

- Supporting team member: [João Figueiras](#) (Portugal)
- Additional team members will be considered following the IRSC meeting in London.

The IEEE Region 8 IRSC Plan of activities is derived from the analysis of the present situation of the R8 relations with Industry and the manifestation of specific needs of IEEE members from Industry in Region 8. It takes into account the results of the initiatives carried out in the framework of the action plans of previous years, by utilizing the lessons learned from the encountered problems and the successfully implemented processes.

The IRSC task is the establishment of lasting relations between IEEE R8 Sections, local and transnational industries. Activities will be carried out with the goal of establishing a wider collaboration environment and attracting more members from Industry. The average age of the IEEE members has been progressively increasing for the last years and it is likely the same for the members from industry. Extensive efforts have to be devoted to increasing the number of younger new members from industry. At the same time initiatives have to be undertaken involving and attracting expert industry members, since they often play a leading role in their organization and can contribute to the collaboration making.

Structure of IRSC in terms of the "broader IEEE" - see linkage diagram to the [wider IEEE](#)

For more information - refer to the [Region 8 Governing Documents](#).

Goals:

- Bridge the gap and enhance relationships between industry, government, academia and IEEE
- Influence industrial organizations to support the involvement of their staff in IEEE activities
- Urge people from industry to join IEEE and benefit from its conferences, products and services.
- Establish and increase contact(s) with industry
- Make industry in Region 8 aware of IEEE
- Advertise and promote IEEE's vision, mission, conferences, products and services to Region 8 industry in all fields, where IEEE is worldwide leading, omc;idomg:
 - Education, History
 - Technical Publications (printed / online)
 - Technical Societies, Conferences
 - Standards
- Emphasize mutual benefits and possible cooperation

Functions:

1. Ensure that the Section establishes and maintains contacts with local industries,

national societies and other organizations.

2. Provide guidelines and support to the Section, Chapter and Student Branch/Chapter representatives and others as required.
3. Distribute information regarding IEEE activities, useful when establishing industry contacts.
4. Identify local needs in order to allow IEEE to adapt its offerings of standard - and/or tailored products and services.
5. Facilitate development of tools and material to communicate with local industry and community.
6. Recruit and promote volunteers from industry in Section and Chapter leadership.
7. Bridge the gap between IEEE members in local industry and academia by encouraging networking among both sectors.
8. Promote seminars and other local events with industry and of industrial relevance.

Short term goals for 2011:

1. Continue exploring strong ties (via IEEE Region 8 Conferences) with the industry.
2. Continue our activities as part of the [Energy Initiative](#) and request new initiative committee (NIC) support to expand the effort in other parts of Region 8.
 - Emphasis on Africa as an emerging market for energy or electrification initiatives.
3. Capitalize on our success as part of the [ICED initiative](#) and start the deployment of industry lecturers in various part of R8.
4. Continue our collaboration between [IEEE Standards Association \(IEEE-SA\)](#) and IRSC.
5. Consider the new environment initiative.
6. Further IRSC collaboration with Conference Coordination Subcommittee (CoCSC) and insert industry tracks at Regional Conferences (where appropriate).
7. Explore stronger collaboration with energy companies in Europe especially in the area of alternative and renewable energy.
8. Recruit additional active volunteers and funding for Region 8 IRSC.

IEEE Student Branches Industry Relations (ISBIR):

[ISBIR](#) is the first and the only large initiative proposed by student volunteers. It was approved in 2007 by IEEE Board of Directors with **high-priority** to bring industry, university and students together. It comprises of an extensive online career center with a huge database of CVs and job offers. It provides a catalogue / database of student organizations and events to choose from.

ISBIR Aims:

- to make university-industry closer to each other
- to bring the benefits of industry world into the IEEE world and vice versa
- to combine all industry related actions of IEEE Student Branches in one program
- to increase awareness and visibility of IEEE services & membership advantages within the industry
- to utilize potential of IEEE volunteers in reaching to industry

- to increase the awareness of industry relations within all IEEE regions
- to establish a global network for sharing experience between IEEE volunteers
- to guide and support IEEE volunteers in their industry related activities
- to give the chance of presenting university students own projects and ideas to industry while they are studying

Standards Coordination

Region 8 Coordinator for Standards: [David Law](#) (UKRI)

- For more information on Standards Coordination in Region 8 - please see [Region 8 Governing Documents](#).
- See linkage diagram (Appendix A) to the [wider IEEE](#) EAB Standards Education Committee (SEC) and IEEE-SA.

About the IEEE Standards Association (IEEE-SA)

The IEEE Standards Association (IEEE-SA) is a globally recognized standards-setting body which develops consensus standards through an open process that brings diverse parts of an industry together. These standards set specifications and procedures to ensure that products and services are fit for their purpose and perform as intended. The IEEE-SA has a portfolio of more than 870 completed standards and more than 400 standards in development. Over 15,000 IEEE members worldwide belong to IEEE-SA and voluntarily participate in standards activities. For further information on IEEE-SA, see the [Standards Association](#) website.

If you wish to learn more about the development of IEEE Standards, visit the [IEEE Standards Development](#) website. Here you can find out about the standards process, how to join IEEE-Standards Association, training material, a standards companion, standards and operation manuals, and FAQs. Even if you are unable to attend IEEE standards development meetings in person many Working Groups operate website and email reflectors where their activities can be followed. Please see the list of [Working Group Areas](#).

News

[IEEE Calls for Standards to be Taught in Engineering School](#)

There's plenty they don't teach in engineering school, such as the ins and outs of negotiating a contract or managing people. The list also includes learning about industry standards, but the IEEE hopes that won't be the case much longer. It is seeking to incorporate learning about standards into engineering, technology, and computing curricula so graduates will be more adept at applying standards in their projects.

[More information](#)

Accessing Standards

IEEE Standards can be purchased electronically through the [IEEE Shop](#). There are however a number of standards that are made available at no charge through the Get IEEE programs listed below.



The [Get IEEE 802](#) program grants public access to view and download current individual electronic (PDF) IEEE Local and Metropolitan Area Network (IEEE 802®) standards at no charge six months after publication.

[Get IEEE 1666™](#)

The [Get IEEE 1666](#) program makes IEEE 1666™ Standard System C Language Reference Manual available at no charge in PDF format.

[Get IEEE 2600™](#)

The [Get IEEE 2600](#) program makes IEEE 2600.1™-2009 Standard for a Protection Profile in Operational Environment A* available at no charge in PDF format.

[Get IEEE/ANSI N42™](#)

The [Get IEEE/ANSI N42](#) Radiation Detection™ standards program makes ten IEEE/ANSI N42 standards available at no charge in PDF format.

IEEE Standards Education Committee

Introducing the IEEE Standards Education Committee

The IEEE Standards Education Committee (SEC) is a joint committee of the IEEE Standards Association (SA) and the IEEE Educational Activities Board (EAB). Its mission is to:

- Promote the importance of standards in meeting technical, economic, environmental, and societal challenges.
- Secure and disseminate learning materials on the application of standards in the design and development aspects of educational programs.
- Secure and provide short courses about standards needed in the design and development phases of professional practice.
- Actively promote the integration of standards into academic programs.
- Lead other education initiatives planned jointly by EAB and the SA as needed.

The [IEEE Standards Education website](#) will serve as the focal point for the delivery of all relevant information on education about standards. Among items provided on this web site are Tutorials, Case Illustrations and Student Application Papers.

IEEE Mini-Grants for Graduate and Upperclassman Design Project Student Application Papers

\$500 Grants for Students with Additional Mini-Grants for Faculty Mentors

The IEEE is offering mini-grants to both students and faculty mentors to help with graduate and capstone design projects with an industry standards component. The IEEE will then publish the results as a Student Application Paper. Further information about these mini-grants can be found on the [IEEE Standards Education website](#).



The 96th
IEEE Region 8
Committee Meeting

London, UK
26-27 March 2011

Organizational Chart: Relationship between R8 Technical Activities (TA) subcommittees and “higher-level” IEEE committees

