IEEE Technical Activities, IEEE Region 8

Carl James Debono
Vice-Chair: Technical Activities, IEEE Region 8

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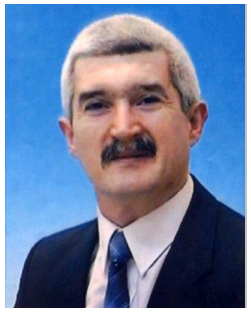
2014 Standing (sub-)committees

Technical Activities

- Chapter Coordination
- Conference Coordination
- Educational Activities
- Industry Relations
- Standards



Elya Joffe (Israel)

Jan Haase (Austria)

Niovi Pavlidou (Greece)

Terje Gjengedal (Norway)

David Law (UKRI)

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Chapter Coordination Subcommittee

- Committee members
  - Elya B. Joffe (Israel Section), Chair
  - Simay Akar (Turkey Section)
  - Society / Council R8 Chapter Coordinators
- Reviewed a number of new chapter applications
  - 12 new chapters (1 merger of 3 and 4 joint)
  - 16 Student Branch Chapters

Chapter Coordination Subcommittee

- Awards
  - Best Chapter Award – Italy – Photonics Chapter
  - Best Student Branch Chapter Award – Bosnia and Herzegovina – University of Sarajevo IAS SB Chapter
- Meeting on Friday in Budapest
- ChCSC Operations Manual
- Developing "Best Practices" Manual
- Vitality of Chapters – please help!

Conference Coordination Subcommittee

- Committee Members
  - Jan Haase (Austria Section), Chair
  - Dirk van Hertem (Benelux Section)
  - Stefano Zanero (Italy Section)
- Reviewed a number of technical and financial sponsorship requests
  - 33 TCS in 2013
  - 5 TCS and 1 FS in 2014

Conference Coordination Subcommittee

- Recommending approval of the Spain Section to host EUROCON 2015
- Recommending approval of the South Africa Section to organize Africon 2015
- Looking for organizers to host MELECON 2016 and ENERGYCON 2016 – Please come forward with bids!
- Updates from IEEE
  - Geo-units need cross-endorsement from home geo-unit
  - As of 31st December 2015, conferences with 0% FS will be subject to a fee of US$1000 and US$15 per paper that goes in Xplore

Educational Activities Subcommittee

- Committee Members
  - Niovi Pavlidou (Greece Section), Chair
  - Sohaib Qamar Sheikh (UKRI Section)
  - Rui Costa (Portugal Section)
- Organized and supported TISP and EPICS-in-IEEE workshops in R8.
- Organized Webinars
  - For continuing education
  - How to prepare a successful publication

Educational Activities Subcommittee

- Promoted the IEEE Academic project
- Participation in 2014 Frontiers in Education conference
- Create a R8 portal for pre-university and university education activities
- Increase the visibility of EASC
- Provide more Webinars

Industry Relations Subcommittee

- Committee Members
  - Terje Gjengedal (Norway Section), Chair
  - Andreas Neumeier (Germany Section)
  - Steve Nightingale (UKRI Section)
- Cooperation with Student Branches and Young Professionals
- Support for IROs
  - Nominate IRO in Section!
- Work with industry for conferences

Industry Relations Subcommittee

- Updating the strategy and develop an action plan
- Gather feedback from practitioners on what we can provide to industry.
- Collaborate with CoCSC and SC
- Conduct IRO meetings on Webex

Standards Coordinator

- Coordinator – David Law (UKRI Section)
- Contact between R8 and IEEE-SA and the standards education committee
- Talks and workshops on standards
- European multi-stakeholder platform for ICT standardization (MSP)
- Working with Digital Europe for event in May towards ICT standards in Europe

Thank you
for your attention

Visit:
http://www.ieeer8.org/category/technical-activities/

Conference Coordination Subcommittee (CoCSC)

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The Team

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What to keep in mind when organizing quality conferences

Jan Haase, IEEE R8 Conference Coordinator

Quality for conference publications

- Papers have to fit to conference (Call for Paper has to be specific)
- Focus on special sessions with a clearly defined scope rather than big tracks like ”engineering“ or ”electronics“
- Try to attract groups of experts (e.g., from international projects together)
- Papers have to be in English (all pages!)
- Review process only accepts full papers (not abstracts)
- No-shows are not going into Xplore
- Blind or better double blind review

Quality Review Process

- At least 2 reviewers per paper, standard should be 3 reviewers
- Choose only experts as reviewers
- Avoid conflicts (e.g., reviewers from same institution or co-authors)
- Give enough time for reviewers (keep in mind possible deadline shifts)
- Balance workload of reviewers
- No reviewer should have more than 8 papers to review
- Remind reviewers in time to submit their reviews
- Ignore “quick reviews“ like “sounds good, accept“

"Education challenges in the Global Village"

102th IEEE R8 meeting, Budapest, 5-6 April 2014

Niovi Pavlidou, IEEE R8 EASC Coordinator
Sohaib Qamar Sheikh, Pre-University responsible
Rui Costa, University responsible

http://www.ieeer8.org/category/technical-activities/educational-activities/

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The EASC team

- Pre-University Activities
  - Sohaib Qamar Sheikh (UKRI)
    - Efthymia Araviniti (Greece)
    - Yahia Sinno (Lebanon)
    - David Oyedokun (South Africa)
- University Activities
  - Rui Costa (Portugal)
- Continuing Education Activities
  - Niovi Pavlidou (Greece)
    - Alexander Boulogeorgos (Greece)

Education and Profession in the Global Village

- Need for very good infrastructure to cope with new education modes. For example, Massive Open Online Courses (MOOCs) have quickly gained popularity, expanded, and evolved around the world. The hot issue: accreditation.
- Easy recognition of skills and qualifications to support professional mobility. For example, in EU a consultation is currently open to public to explore existing obstacles to the recognition and transparency of skills and qualifications across Europe and to propose solutions and specific actions.
- Need for internationally recognized Accreditation systems

Status and Actions in R8

- Infrastructure differences in R8 lead to education inequalities
- Easy professional mobility is becoming crucial for the social cohesion in R8
- EAB and EASC products are constantly improved to address these needs
- Sections and EA Chairs have to be aware of and supportive to these initiatives.

IEEE EA Products to cope with this new environment

- Continuing Education
- Customized Education Solutions
- Certificates
- Webinars
- Virtual events
- IEEE eLearning Library

- University Education
- Advance Learning Workshop Kit
- IBM/IEEE Smarter Planet Challenge

A Virtual Conference Example

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Overview: IEEE Certificates Program

- **Exists to provide certificate administration** for Continuing Education Units (CEUs), Professional Development Hours (PDHs), and Certificates of Participation in IEEE's fields of interest
- Business Model:
  - **Offered free to IEEE Organizational Units –** Offers value add and revenue generating options for IEEE meetings, conferences and events
  - **Offered with a fee structure to external Non-IEEE educational providers**
  - Provide **oversight** via Certificates, Certifications, and Credit-Bearing Programs Committee
  - Program generated **17,588 certificates** in 2013 (more than 3X 2012)

Advanced Learning Workshop (ALW)

- Provide student leaders with a "self-contained" kit containing student learning content modules that that can be delivered by the students
- The "self-contained" kit offers six learning modules focused on content to enable students to improve their learning skills and enhance their ability to achieve a successful academic experience
  - Managing Time
  - Managing Stress
  - Developing Effective Study Habits
  - Developing Effective Communication Skills
  - Preparing for Exams
  - Coping with a Difficult Class/Professor

Early Career Faculty Development Project

- Early Career Faculty (ECF) face a myriad of challenges that include:
- Becoming effective teachers
- Conducting research programs
- Managing their career path
- Contributing to the profession

- Virtual Mini conferences to address these needs

- First organized, 15 Nov. 2013, on: Launching a Successful Faculty Career

Early Career Faculty Development Project (2nd)

- Conferences Offered through the Virtual Continuing Education Platform (VCEP)
- Packaged as a series, but each mini-conference is designed to stand alone (No fee for 1st, $25 each for 2nd and 3rd)
- Participants receive a certificate of completion for each session and a special certificate for completing the series
- Designed to be offered on a yearly basis

Section and EA Chairs are invited to discuss and disseminate these initiatives.

Thank you!

Industry Relations Subcommittee (IRSC)

Terje Gjengedal (NORWAY)
Chair
✉ **terje.gjengedal@hotmail.com**

http://www.ieeer8.org/category/technical-activities/industry-relations/

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Industry

Industry has three simple focus areas:

Profit

Profit

Profit

So for their involvement with IEEE means to improve «profit»

Money/revenues/competence/leadership/
Visibility
Recognition
Attractiveness

Industry Relations
We have challenges and they are
Strategical very important

- Awareness
  - *IEEE is unknown to a large part of the corporate world (at least outside the US)*
  - *Are the value of IEEE's products and services well known?*
  - *Are IEEE products and services meeting the Industry's needs?*

- Declining individual interest?

  -Why? is it a reflection of himself or his company?

  -Engineers saw their supervisors go to IEEE and they went. Now management does not participate

- Relevance

  -What is relevance of IEEE if trend of industry participation continues?

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Industry Relations
Strategical very important (2)

- Industry is changing
- Need to show return on investment

-show that membership and time spent on IEEE is valuable and easy to accomplish

- demonstrate the intangible benefits of active participation in IEEE activities such as:

- Leadership roles

-Networking opportunities

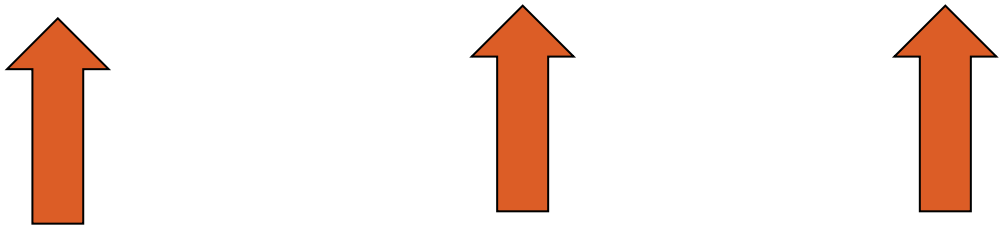
-Professional development

-Human resources

- Recognition and visibility Etc..

IEEE is a gateway to competence

Competence= Knowledge x Experience x Attitude



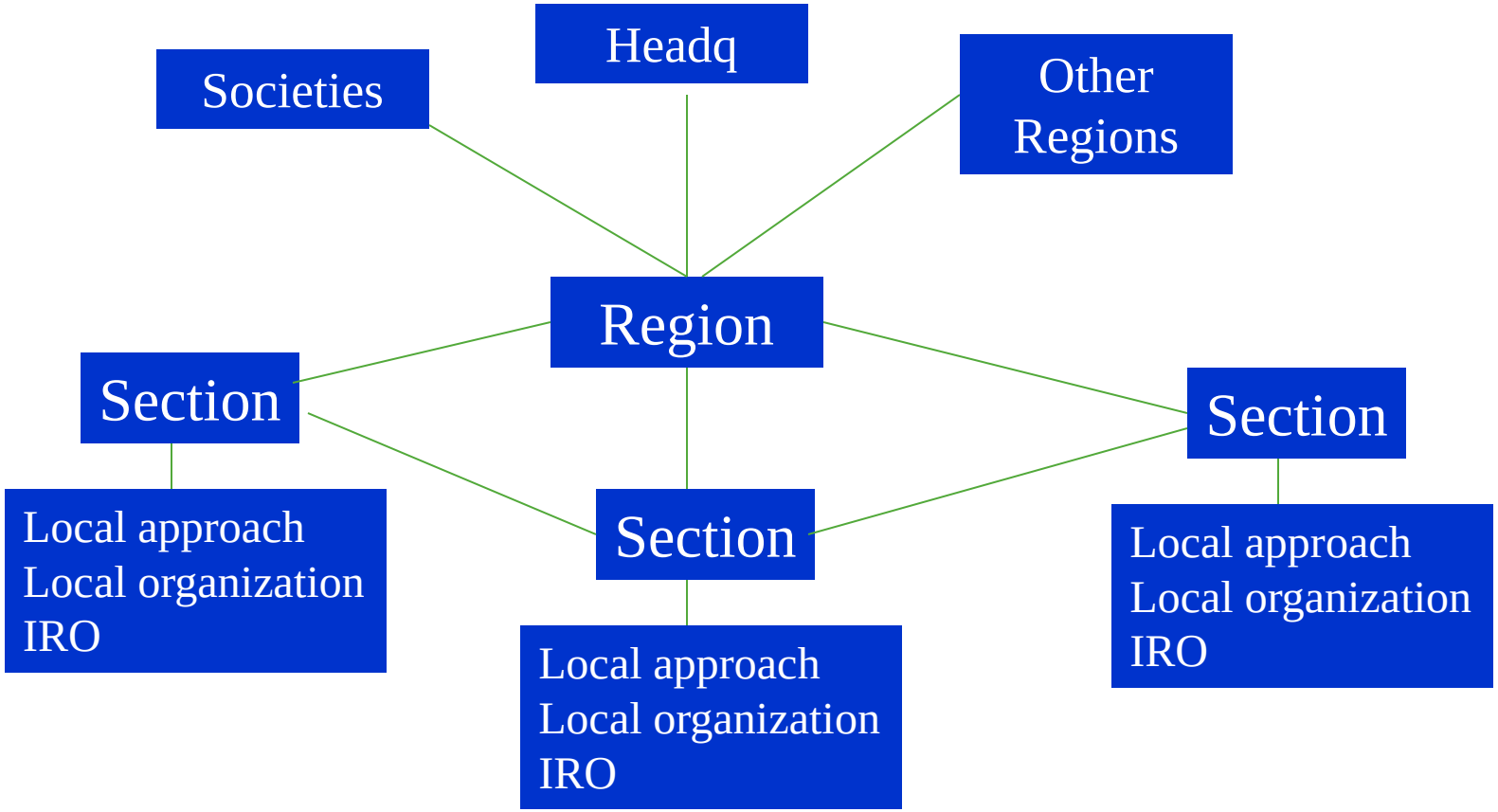
IEEE should play a role

Need to develop robust relations over time
Difficult to build – easy to tear down

Challenges

- Expectations from other individuals and organisations. "Industry Relations" spans such a wide range of potential activities.
- Geographically large region.
- Spanning huge cultural differences.
- Across regions and countries with very different industries – and industrialization levels.
- We need to identify a structure and turn this variety into our benefit.

Industry Relation Improvement



Industry Relations

- **Work planned:**
- Reach out to IROs
- Update the IRO manual
- Organize webinar(s) with IROs
- Together with IROs: plan and start local activities
- Give the IROs tools for reaching out to industry
- Figure out the Industry needs
- Involve Young Professionals & Student Branches
- Involve other subcommittees, societies, etc

Examples on how to proceeded

- Establish contacts with Industry Management and employees
  - use personal contacts
  - use contacts and build our industry network
- Invite Industry to discuss and define their needs
  - go to them, do not wait for them to come
  - use 'ieee industry members' to contact industry
- Suggest ideas, solutions and practical implementations
  - get results
  - show you can do it
  - show the value of your results
  - build confidence and trust, show you are a professional
  - we did not ask for money, but wanted to cooperate and develop relations
- Develop meetings and workshops to meet Industry
  - meetings and conferences to academic and without industry relevance
  - new meetings developed by industry themselves and industry members

Industry:

We need to start talking to them and we have to stay there