

IEEE-Sweden Section

Members' Newsletter Nr 01--16

This newsletter aims at sharing information with the IEEE Sweden Section Members. The Newsletter is subject to continuous improvements. Hence we kindly ask for contributions, feedback and involvement from our readers. Please submit to acting editor Igor Gazdik, at zvln05@yahoo.com

Info from IEEE global & IEEE Region 8

News from the IEEE Region 8 meeting, March 2016

In total 56 IEEE Sections from Europe, Middle East and Africa gathered together with IEEE officials in Monaco for the Region 8 meeting 18-20 March 2016. Sweden was represented by both Margaretha Ericsson (IEEE R8 Director-Elect 2015-2016, Director 2017-2018), and Mats Edvinsson (Chair IEEE Sweden Section). Below some key items;

A proud moment – IEEE Sweden Section won 2 awards !

- **Women in Engineering** – Dr Nazre Batool won the “**Clementina Saduwa Award**”
- The Sweden **Chapter VT/COM/IT** won the “**2015 Region 8 Chapter of the Year Award**”

IEEE global – in the process of change, and upcoming president elections

- A recent **survey** indicated some key areas important to IEEE members: E g ability to stay technically current, networking, conferences and career resources. The survey will be available soon. Actions are planned to respond accordingly.
- **Collabratech**, the tool for networking and sharing, is increasing in users since 2014. E g the possibility to create private groups for specific purposes is well used. Collabratec is integrated with other IEEE services. Particular users are Young Professionals and members from the industry.
- The “**IEEE in 2030**” strategic process is progressing. In a world of rapid technical development, innovation and changes, IEEE must adapt and be more flexible. E g more engagements related to industry, and more focus on geographic regions outside US, such as Africa with its fast growing economies and Europe. In 2016 IEEE will establish an office in Vienna.

In order to make it possible to adapt the organisation of IEEE, there is a proposal for IEEE **Constitution Amendments**. These amendments are subject to **approval** by the IEEE members, which will be done by voting during Aug 15 – Oct 3 2016. Please, look for more information on <http://link.ieeer8.org/ieee-2030>

- Voting period Aug 15 – Oct 3 for the **IEEE President-Elect 2017**. The candidates – Jim Jefferies and Wanda Reder – presented themselves and answered questions at the R8 meeting. More info on <http://theinstitute.ieee.org/briefings/election/meet-the-candidates-for-2017-ieee-presidentelect>

IEEE Region 8 – Interesting conferences, activities and initiatives in the pipeline

- IEEE R8 priorities for 2016
 - **Getting closer to industry**; Good progress 2015 in “Action For Industry”; Internship has started with 3 major companies, a number of companies are interested to join. 53 mentors identified (fellow & senior members), however low response from Sweden. Upscaling planned for 2016, including drive applications from SYP, to match with industry interest.
 - **Students and Young Professional** – the heart of R8. See further below “IEEE R8 SYP”
 - **Section vitality** – R8 ambitions to increase members by 1% during 2016. R8 improved its reporting financial year 2015, and is now top performing – 56 of 57 Sections reported before the deadlines.

- IEEE Region 8 activities:
 - Plenty of **awards available**, for Sections, Chapters, Affinity Groups and individuals to apply for. A new web-based process is in place, which simplifies the procedure. Sweden Section, as well as R8, should submit more applications for R8 awards, MGA awards etc. E g R10 submitted 50 times more applications than R8!
 - IEEE encourages members, affinity groups, chapters and others to engage in **humanitarian activities**. There are funds available for defined projects.
 - The **eNotice-function** is simplified since Jan 2016; just enter text and list of recipients, and it will automatically and intantaneously distribute. (The Sweden Section used this in relation to the AGM FY2015)

- Pending IEEE Region 8 flagship conferences; Registration still open, paper submission closed:
 - **ENERGYCON 2016**, 4-6 April 2016, Leuven, Benelux. www.ieee-energycon2016.org
 - **MELECON 2016**, 16 – 18 April 2016, Limassol, Cyprus. www.melecon2016.org

- Pending IEEE Region 8 flagship conferences :
 - **GCC 2016** – the Gulf Conference and Exhibition – 6-9 Nov 2016, Manama, Bahrain www.ieee-gcc.org; Deadline for submission of full paper 15 May 2016
 - **EURCON 2017**, 6 – 8 July in Ohrid, Macedonia, 2017
The website www.eurocon2017.org will be operational during next week late March
 - **HISTELCON 2017**, 7-8 Aug 2017, in Kobe Japan
 - **ENERGYCON 2018** – The congress is looking for a hosting candidate country. Maybe Sweden would host this congress? Any Chapter volunteering?
 - **ENERGYCON 2020** (preliminary Denmark)

- The ad hoc committee **EPPI, European Public Policy Initiative**, chaired by Marco Delimar.
 - 3 working groups – Energy, ICT and standards. IEEE has a strong interaction European Commission officials and MEP
 - During 2015 and early 2016, IEEE provided strategic support, independent inputs and feedback to European institutions. E g a summit in preparation to COP21, about 100 attendees from EU policy makers, industrialists and academia.

IEEE R8 SYP – Students, Young Professional & Women in Engineering moving further

- **SYP Congress 2016 in Regensburg, Germany** 17-21 August, aiming for 450 participants: Developing learnings experience, technical & professional networking and sharing best practice. Sweden Section will participate.
- **Student Branch (SB) revitalization.** R8 is developing a SB counselor support network, simplifying the SB formation process, and monitor industry relations (such as Actions for Industry, above). Local SYP congresses are encouraged, such as the Nordic SYP in Stockholm 2015. A survival guide for SB available, contact Lebogang Madise for assistance.
- **Student awards and contests;** Award submissions increased vs previous years, when only few Sections applied. The Student Paper Contest, SPC 2016, resulted in 40 papers, of which finalists to present at Melecon in 18-20 April in Cyprus
- **“Mind the gap”** – a competition between student teams. Deadline 15 May idea submissions, 17 June winner announcement, and winner ceremony at SYP 2016 at Regensburg

IEEE R8 election procedures and admin – please be prepared to nominate and vote

- **Election of Region 8 Director-Elect, 2017-2018;** All IEEE R8 members will vote during Aug 15 – Oct 3 2016. The candidates are:
 - Tariq S Durrani (UK & Ireland)
 - Elya B Joffe (Israel)
 - Magdalena Salazar-Palma (Spain)
- **Nomination of Region 8 Director-Elect, 2019-2020;** All IEEE members are free to nominate a candidate until 1 June 2016
- **Nominations to other Region 8 positions** from 2017 – see further below
- **Next R8 meeting** will be 24-25 Sep 2016 in Porto, hosted by the Portugal Section.

Mats Edvinsson
Chair IEEE Sweden Section

Margaretha Ericsson
IEEE R8 Director-Elect 2015-2016,
Director 2017-18

Call for Nominations to Region 8 positions

Messages from Martin Bastiaans, Chair, IEEE Region 8 Nominations and Appointments (N&A) Subcommittee.

The IEEE Region 8 N&A Subcommittee is soliciting nominations for both Region 8 leadership positions as well as new N&A members:

IEEE Region 8 Leadership positions:

- IEEE Region 8 2017-2018 **Secretary** (2 yr commitment)
- IEEE Region 8 2017-2018 **Treasurer** (2 yr commitment)
- IEEE Region 8 2017 **Vice Chair, Member Activities** (1 yr commitment)
- IEEE Region 8 2017 **Vice Chair, Student Activities** (1 yr commitment)
- IEEE Region 8 2017 **Vice Chair, Technical Activities** (1 yr commitment)

Members of the 2017-2018 IEEE Region 8 N&A Subcommittee.

Candidates must fulfill one of the following criteria at the time of their election (see the Region 8 Operations Manual, section R8-6.1.2):

- Be a Section Chair in office
- have been a Section Chair within the past 3 years
- have been a Section Chair and currently holding an elected or appointed position of the R8 Committee.

Please submit your suggestions/nominations by filling the [IEEE Region 8 Nomination form](#) (available at the [IEEE Region 8 website](#) in the 'Documents' section) and sending it to Martin Bastiaans, Chair of the IEEE Region 8 Nominations and Appointments Subcommittee, at m.j.bastiaans@ieee.org by **1 June 2016**.

These IEEE Region 8 officers and members of the IEEE Region 8 N&A Subcommittee will be elected at the Region 8 Committee meeting in Porto, Portugal, September 2016. The Region 8 Committee members and all the nominees will be informed about the recommended slate of candidates for officers 5-6 weeks prior to the meeting.

For all further details, including petition processes, please refer to the [IEEE Region 8 Bylaws](#) and the [IEEE Region 8 Operations Manual](#) (available at the IEEE Region 8 website in the 'Documents' section), in particular the sections and R8-3.1.5-7 in the Bylaws, and the sections R8-4.4-6 'Secretary, Treasurer and Vice Chairs' and R8-5 'Elections and appointments procedures' in the Operations Manual.

Info from the Section

IEEE activities in Sweden 2016 April – June

Based on information received from the Chapters and affinity groups in Sweden, below a brief compilation of some planned IEEE activities in Sweden during April – June 2016. Please, keep the Section Board updated on your planned activities, so we could share with all members in Sweden

Chapters	
C, SP & VTCOMIT	Swedish National Computer Networking Workshop (SNCNW), with SWE-CTW SWE-CTW Communication Technology conference, Sundsvall, May 30-June 2
C	April 17 – 19; ISPASS, IEEE International Symposium on Performance Analysis of Systems and Software, Uppsala
CPMT	First Nordic IEEE CPMT Symposium on Advanced Packaging and System Integration – Green and sustainable electronics systems, June 29-July 1 2016, Songal, Norway
EMC	Tech meeting during Electronic Environment Conference, Kista, April 2016
P	ONDM, Optical Networking Design and Modeling, May 19-22 2016 Workshop on Frontiers & Challenges in Photonics, DL Eli Capon, Chalmers
PE/PEL	Tech meeting with DLP lecture, April 2016, KTH Stockholm
RAS	ICRA, IEEE Congress Robotics & Automation May 16 - 21, 2016 Stockholm
SP	Tour of an Industry Site (SAAB), Linköping Q2 2016. (with WiE, YP Students)
VTCOMIT	2016 IEEE Intelligent Vehicles Symposium – June 19-22, Gothenburg
Students, Young Professionals, Women in Engineering	
	Panel session on entrepreneurship - with industry participants (t b d)
	Joint arrangements with selected chapters, above
	Membership development - forming SB at Chalmers.
	Best Student Journal/Conference Paper Award Q2.

IEEE Educational Activities - Engineering Projects in Community Services (EPICS-in-IEEE)

The EPICS-in-IEEE program was launched in 2007 by the then IEEE President. The program aims at solving real-life community problems local to the section or the region the project is being carried out in, syncing with the message of IEEE - "Advancing Technology for Humanity". IEEE funds the project and helps with local help in terms of guidance, wherever possible. There are 59 EPICS projects running around the world currently.

Who can execute an IEEE EPICS Project?

Student Branch members pursuing bachelors or masters, together with a high school student collaborate with a charitable, communal or humanitarian organizations in each venue. The objective is to:

- Increase high school student interest in pursuing an engineering-related career path;
- Leverage the EPICS in IEEE program demonstrated ability to reach female and under-represented minority students, to increase IEEE recruitment in these demographics.

What is the scope of projects that students can apply for?

EPICS-in-IEEE projects fall under four defined humanitarian categories: Access & Abilities; Education & Outreach; Environment; and Human Services. For a full list of projects undergoing now to get a better idea about the projects, please visit epics.ieee.org/program/project-archive/

How much is the funding amount??

The amount funded depends largely on the scope and magnitude of the problem being solved. Typical awards use IEEE funding for project related supplies (as opposed to personnel costs) with award amounts in the US\$5,000 to US\$10,000 range.

What is the deadline for applying for these projects??

There is no deadline for applying for EPICS projects. Applications can be submitted anytime of the year and are accepted throughout the year on rolling basis.

Who and how can you submit an application for an EPICS project?

The application must be submitted by an IEEE member and involve a non-profit organizational partner. Collaboration with a local high-school is also encouraged.

If you identify a problem that exists locally to your region/section within the four categories mentioned above, please fill in the application form at www.epics.ieee.org and send it to epicsineee@ieee.org.

You might consider contacting your local EPICS volunteer, which is yours truly. I am a member of the IEEE EAB (Educational Activities Board) EPICS Signature Working Group, and executed an EPICS project in 2011. My work was selected as a technical paper at the IEEE GHTC Conference in Seattle. I am currently staying with ABB in Ludvika. Mail to samarthdeo@ieee.org.

Samarth Deo
Board Member

Info from WiE



Concurrent with the International Women Day, Women in Engineering Affinity Group at IEEE Sweden Section, in collaboration with KTH Student Branch, organized a workshop on Professional Leadership on March 11th in 2016. In this workshop, three seasoned industry leaders were invited:

- Margaretha Eriksson, IEEE Region 8 Director-Elect. and manager at several IT companies.
- Sigrid Eldh, Senior Specialist in Software Test Technology at Ericsson AB, the CEO of SDMC and a co-founder of SAST, SSTB and ISTQB.
- Åsa Claesson, manager of the Fiber Optics Department at Acreeo Swedish ICT AB.

The speakers shared with the audience their motivating success stories and introduced the skills that are required for effective and productive management. More than 40 people participated and the workshop was concluded by an hour of Q/A panel followed by a mingling session.

The organizing team:

- Nasim Farahini, chair of the WIE Group at IEEE Sweden Section
- Elena Vasileva, chair of WIE Group at IEEE KTH Student Branch
- Babak Taghavi, chair of IEEE KTH Student Branch
- Miurel Tercero, industrial relation manager at WIE Group at IEEE Sweden Section
- Deovrat Phal, secretary of the KTH Student Branch
- Samarth Deo, board member of IEEE Sweden Section

Nasim Farahini
Board Member

IEEE Sweden Section 50 year Anniversary Celebration 2015 & Award

Quite a few IEEE Sweden members participated in activities directly or indirectly related to the 50 year Anniversary Celebration 2015. A summary document is available on www.ieee.se on Tab "Document Archive", at the link "IEEE R8 Sweden 50 yr summary - 2015 Dec 31"

The Sweden Section was initiated by Prof J Torkel Wallmark, Chalmers. The IEEE Executive Committee approved the establishment March 20, 1965. In 2015 the Sweden Section receives the 50 year anniversary banner at the IEEE Region 8 meeting in Cyprus.

The Sweden Section organized celebration events on 6 – 8 Nov 2015 by combining activities:

- A celebration seminar 6 Nov inaugurated by Prof Peter Gudmundson, KTH President, followed by a dinner at the Stockholm City Hall, hosted by the City of Stockholm
- The first pan-Nordic SYP Congress 6 – 8 Nov, with Students, Young Professionals and Women in Engineering participants from the Nordics, Baltics, Europe as well as Region 8 leadership.



The Nordic SYP 2015 congress was the first event involving the Nordic and Baltic states, and Region 8 participants from all over Europe. In addition, sessions included both academia and industry, in particular in the interactive panel session "Engineering Networks and Innovative Ecosystems" Please find more info about NSYP on www.facebook.com/nordicsyp15.

Following the success, further pan-Nordic initiatives are taken. E g in March 2016, the Nordic and Estonia Section Chairs signed a petition to form a true pan-Nordic CPMT chapter.

Adding to the celebration: Samarth Deo, Chair of the NSYP organizing committee, received the "**Region 8 Young Professionals Exceptional Volunteer Award 2015**" for this well-organized NSYP 2015.