Members' Newsletter 2018- Q3

IEEE Sweden Section

IEEE SE MN2018-Q3

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Editorial

Welcome to a very busy season of the year. We shall keep pressing until IEEE Sweden Section change of level encounter meet us on duty. We urge every member to stay connected with us because we will not allow wrong attitudes and assumptions to paralyze us from exploring and uncovering new opportunities and possibilities for IEEE Sweden. The board is ready to apply the possibilities triangle of benefit which includes the following: "seeing what's possible, describing what's possible and pursuing what's possible". Therefore, the board has put in place strategies which includes participating in workshops and Conferences. The reason is because there are always new ideas and lessons to be learned from studying the attitudes and actions of the best performers of life events. That is why we encourage all members to be engaged with IEEE events. Don't shy away from commanding your tomorrow.

Remember, we at the IEEE Sweden section will continue to put together packages that will enhance your career and personal development.

This Newsletter is subject to continuous improvements and aims at sharing information with IEEE members. Hence, we kindly ask for contributions, feedback and involvement from our readers. Please submit to the Newsletter Editor, Dr. Celestine Iwendi celestine.iwendi@ieee.org .org

A message from the Sweden Section Chair

Dear IEEE Members,

As we step into the fourth quarter of the year, we have some interesting updates for you- some from the past and some upcoming.

The focus post summer has been, among other things, on the IEEE Sweden Section Annual Chapter Chairs Workshop, which concluded on the 2nd October 2018 at KTH in Stockholm. Please find a detailed report on the workshop on page 2.

On the other hand, a lot of emphasis has been laid on strengthening relationship with industry within Sweden. The upcoming seminar on HVDC transmission at Chalmers University in Gothenburg is an example to this. Details on this workshop can be found on the web- www.ieee.se

Our support and encouragement to the students, young professionals and the women in engineering continues. During the summer, our students, YP, and WIE representatives have attended two different congress'. Reports from their attendance later in the newsletter.

Soon it's time for Christmas and new year. On behalf of the IEEE Sweden Section, I wish you all a Merry Christmas and a very Happy New Year in advance.

Samarth Deo,

Chair IEEE Sweden Section FY-2018

IEEE Sweden Chapter Chair Workshop, 2nd Oct. 2018

Since 2013, IEEE Sweden Section has been conducting the annual chapter chairs workshop during the autumn, to gather leadership from all the chapters in Sweden and discuss the future of the section.

This platform, named as "Chapter Chairs Workshop" invites all the chapters to present their activities during the last twelve months and at the same time asks them to present their plans for the upcoming years. This gives a very valuable feedback to the section board and specially the treasurer in his planning for the budget for coming years.

The 2018 edition of this workshop was held on the 2nd of October at KTH, Stockholm. The workshop had 15 in person participants and 7 online, over Webex. Among other things discussed during the course of the day, one thing of particular interest to most of the chapters was collaboration and joint activities between different chapters within Sweden Section and if possible, beyond- a Nordic collaboration. The workshop saw a great enthusiasm in the attendees (the chapter chairs and section executive members) in discussing the various issues faced by the different units in operations and running of the chapter. They were assured support and solutions.

Worth mentioning is the fact that IEEE Sweden Section in the recent years has set a benchmark in efficient execution of the section, as well as events and conferences. Examples being the IEEE R8 meeting held at Stockholm in 2017; IEEE Nordic Student and Young Professionals Congress in 2015; besides many other workshops and conferences. These events have given Sweden an unprecedented edge in terms of planning and execution. IEEE global and Region 8 looks forward to our continued involvement in many of their activities and plans for the future. This has been only possible with the continued support from all our chapters and members.

We thank all the chapters for finding time and participating actively in the workshop.

Participation in the IEEE Region 8 SYP Congress, Porto

June 2018, 300 IEEE members from 55 countries gathered together for the biennial Student and Young Professional Congress held this time in Porto, Portugal. From Sweden section, we were a young professional (YP) representative: Elena Vasileva (also chair of Women in Engineering WIE) and Chalmers Student branch Vice Chair- Josef Hansson. We consider ourselves lucky to attend the event with a special grant from the Region8 IEEE and the IEEE Sweden Section, which we are extremely grateful for. The congress agenda was packed with workshops, plenary sessions, speed talks, company visits plus much more. Overall it was a great experience and we would love to share with you some of the highlights.

Porto is a coastal city located in the northern part of Portugal and is one of the oldest European population centers. It features amazing architecture and a rich culture, and the view over the city center was nothing short of spectacular.

The city of Porto. Day 1

Surfing class. Day 1

Registration at the SYP Congress Day 1

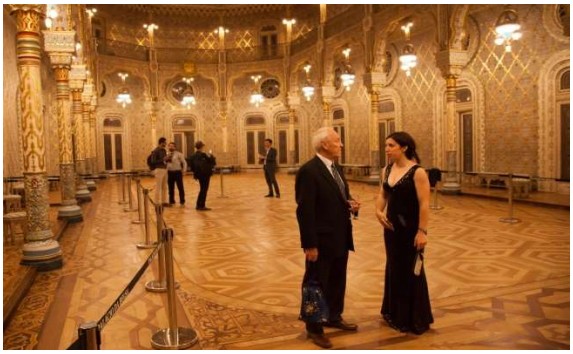
Conference reception. Day 1

Arriving at the venue on the first day, we were greeted with the warm smiles of the organizing team, who had a surprise planned for us. That morning they took us to try one of the most famous attractions in Portugal, surfing. It was a great way to start the conference and get to know fellow delegates. After a short walk in downtown we went for the official opening ceremony of the congress. The ceremony followed by a conference reception located in a fancy spot to view the sunset. We did not get lucky with the weather that day, but the location and atmosphere more than made up for it.

Day two began with plenary sessions and a keynote speech, from the perspective of IEEE as an organization, but also from regional companies and technical innovation. This was followed by interactive and educational workshops, finishing off with a career fair. With all the sessions out of the way we made our way to one of the fanciest and historic places in Porto - the Palácio da Bolsa, where we enjoyed traditional Portuguese cuisine and gained a deeper understanding of the Portuguese

culture from the architecture of the Palácio da Bolsa. During the dinner, various awards were bestowed upon noteworthy student branches and affinity groups, that definitely brings motivation and inspiration for others.

Gala dinner at Palácio da Bolsa. Day 2



Gala dinner at Palácio da Bolsa. Day 2. IEEE President and CEO James A. Jefferies and R8 Student Representative Ana Inês Inácio

Gala dinner at Palácio da Bolsa. Day 2

Gala dinner at Palácio da Bolsa. The Swedish delegation together with IEEE Pressident James A. Jefferies. Day 2

The third day of the conference we all had the opportunity to visit a company of our choosing (Bosch, Blip, Abyssal, Science at FEUP, or International Iberian Nanotechnology) and gained insights into how they work, what they do and potential job opportunities that are available. It continued with plenary sessions and workshops with topics ranging from everything between networking and leadership to teaching or quantum computing. We ended the day with a Portuguese dinner accompanied with traditional performances of music and songs.

Company visits. Day 3

A workshop

Portuguese dinner. Day 3.

Portuguese dinner. Day 3.

We began the final day of the conference with workshops all morning, and the final session being an open space format where we could all present our local IEEE chapter and showcase our activities. It was a great way for all of us to exchange ideas and challenges that we face as volunteers.

The final (and the most fun) part of the conference was the multicultural night, where each country representatives brought traditional food and drinks to share with the delegation. It was a great way for all of us to experience the various cultures, with lots of singing, dancing and eating the different food. From Sweden, we handed out Swedish delicacies such as knäckebröd, chokladbollar and kanelbullar.

During the entire congress, we were constantly exposed to new ideas from cultures all over Europe, Africa and the Middle East. It is noteworthy how thoroughly an event like might challenge cultural stereotypes, and how across such different cultures, we are still united as engineers and humans. Overall the conference was a great success, with great conversations making new friends and gaining new ideas that we could implement in our local chapters.

Multicultural night. Day4

Poster session. Day4
Chair of IEEE WIE
Sweden Elena Vasileva

Portuguese dinner. Day 3
Chair of IEEE WIE
Sweden Elena Vasileva and
IEEE Student branch
Sweden representative
Josef Hansson

For more information about the event:
https://syp.ieee-pt.org/
https://www.facebook.com/pg/sypr8porto/posts/

3rd IEEE PES Student Congress

The third IEEE PES Student Congress was a meeting of IEEE PES student volunteers of 31 countries and 99 PES SB chapters held in São Bernando do Campo, Brazil between the 24th and the 27th of August 2018 and was hosted by Federal University of ABC. Oscar David Ariza Rocha was the student selected to represent the IEEE PES/PELS SB KTH chapter in the congress with support of the IEEE PES chapter.

The event focused in four main pillars to assure "More Power to the Future" by four main pillars: PES volunteer training, networking without borders, PES Hardtech Summit and IEEE HAC events. The main activities and outcomes of these pillars were:

PES Volunteer Training:

- IEEE PES Chapter Overview: Basic review of what an IEEE PES student branch is and how it is formed. There are prices for High Performing Student Branches (HPSBCP) between 200 and 500 USD, and for the Outstanding Student Chapter for 1000 USD. Danijel Topić (danijel.tpic.hr@ieee.org) - IEEE YP: Possibilities to have joint events with YP. There is a lack of young volunteers in IEEE. Student branches should promote volunteers within their university. http://yp.ieee.org. Rafal Sliz (www.sliz.online). - IEEE PES Woman in Power: Promote the involvement of woman in the industry. Consider promoting during the events. http://www.pes-women-in-power.org. Guadalupe González R9 (guadalupe.gonzalez@ieee.org) - Poster Presentation: Each student branch presented a poster with the activities their student branch performs. The activities are strongly dependent on the number of members of the chapter. A greater visibility of the branch improves the number of volunteers. Technical visits are a great way to gain interest of participants. Participate in the PES Day. Possibility to have a Speed Meeting mixer between industry and students. Invitation to participate in the IYCE 2019. - eNewsUpdate: There is major encouragement to send articles about the activities performed in the student branch, to gain a global visibility and enhance reporting skills of the members. http://sites.ieee.org/pes-enews/

Networking without Borders:

- Multicultural Night: Chance to see a glance of the culture of the different attendees and show Swedish culture to the participants.

PES HardTech Summit

- IEEE PES Entrepreneur Competition: Competition in which student groups present a pitch of an entrepreneurship idea and business model in topics of renewable energy, energy efficiency and carbon dioxide reduction. - IEEE Smart Village: Cross cultural approach to help communities in need. This is a good way to get students with a social agenda in their education. http://ieee-smart-village.org - Entrepreneurship in Energy Sector Panel: 5 entrepreneurs in the energy sector discussed about their experience as entrepreneurs. This can also be done at KTH as a local IEEE activity. - Technical Visit to Henry Borden hydropower plant (889 MW). The KTH branch could plan a technical visit once or twice in a year to gain visibility and members.

- IEEE Empower a Billion Lives: Initiative of the PELS. Registration is now closed, but there is possibility of funding and price money if participate in future events. http://empowerabillionlives.org/.

IEEE HAC (Humanitarian Activities Committee)

- Two main types of humanitarian activities: One-Day events and Boots on the ground projects (long term). Shakih Fattah (fattah@eee.buet.ac.bd) - SIGHT Activities: Social Projects to tackle a local community need in a sustainable way. Funding up to 10,000 USD yearly. http://sight.ieee.org - Possibility to work with local communities in education to promote the study of engineering and sustainable development. The events can be published in HTC congress. Students can have a motivation to join if they can have their first publications. Anis Ben Arfi (abenarfi@ucalgary.ca)

For me, it was a great experience in which people from different backgrounds were able to share their experiences as IEEE volunteers and the activities each of their student branches are making. It also gives the possibility of networking for the development of cross activities between chapters around the world. The activities were based mainly in how students can make a social impact for the benefit of society. It gave me motivation to start a social project and tools to recruit new members. The main drawback of PES SB KTH is the lack of student members. Students should be engaged as soon as they enter KTH to have full benefits. Right now, is more important to have volunteers rather than paying students. Once they understand the benefits of being part of the society, a paying membership should be pursued. The branch cannot cluster in electric engineering programs only, other programs at KTH can also have potential active volunteers. A greater engagement with the IEEE student branch should be seek.

Oscar David Ariza Rocha, odar@kth.se

Techniques for Effective Researching on IEEE Xplore & Career, Content and Networking: Workshop at KTH Royal Institute of Technology

The workshop titled “Techniques for Effective Researching on IEEE Xplore & Career, Content and Networking” took place at the KTH Royal Institute of Technology, in Stockholm, Sweden on the 20 September 2018, 14:00. The workshop was organized by IEEE KTH SB and WIE Sweden Section, together with IEEE Client Services Manager.

This workshop was free to attend for students, researchers, faculty staff and anyone else interested with IEEE Xplore.

The workshop focused on effective searching, like a professional, on IEEE Xplore. With this overview of best practices for maximizing features of the platform, covering advanced search techniques, setting up alerts, downloading equations, finding patent citations, and much more.

The workshop also illustrated the role the publisher, that plays in an engineer’s education and career.

About Paul Henriques from IEEE – the presenter

Paul works with IEEE customers located in USA, Europe and Africa, including Norway. Paul came to IEEE from the US Patent and Trademark Office, where he was a Patent Searcher in the Business Methods division. Previously, he was a Research Librarian at the United States Postal Service Headquarters. He holds a bachelor's degree in Communications from George Mason University and a master's degree in Library and Information Science from Simmons College.

Upcoming Events

IEEE Sweden Chapter PE/PEL seminar: Synchronization Stability of Grid-Connected Voltage-Source Converters

Speakers: Xiongfei Wang, Aalborg University
Date and time: Monday 15 October, 10:00 – 12:00
Venue: Teknikringen 33, floor 3, Ivar Herlitz seminar room

Title: Synchronization Stability of Grid-Connected Voltage-Source Converters

http://sites.ieee.org/sweden/pepel-chapter/

22nd IEEE EDOC Enterprise Computing Conference

October 16 - October 19 @ KTH

https://www.edoc2018.conf.kth.se/

Award: Elena Vasileva. Congratulations

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IEEE hereby expresses its appreciation for Notable Services and Contributions towards the advancement of IEEE and the Engineering Professions to

Elena Vasileva
Chair
Women in Engineering Affinity Group
Sweden Section
2017-2018

Director, Region 8

HVDC TRANSMISSION SEMINAR

21st November, 10-12 HC2, Hörsalsvägen, Chalmers
This seminar is free event arranged by the IEEE Sweden section. Students, staff as well as professionals are most welcome to join the discussion.

Get Your News to IEEE Region 8

Do you know that Dr Celestine Iwendi is a contributor to IEEE Region 8 Digital? Please send your society news and activities to him.