



# IEEE Sweden Section Annual Report, Fiscal Year 2018

## Section activities and achievements

Continuing with what we had achieved in 2017, we have been successful in keeping up the pace and do some fantastic activities during the year. Some highlights from the year include the Lifi-workshop at the Swedish Energy Agency with Father of LiFi, Prof. Harald Haas and IEEE HVDC Seminar at Chalmers in Gothenburg.

## Major Chapter Meetings and Events

The **VT/COM/IT Chapter** held 23 tech events, including a distinguished lecture tour, Swe-CTW 2018 in Linköping and a Wireless Vehicular Communications workshop at Halmstad. The **Photonics Chapter** had three technical meetings, including a seminar on “Integrated Quantum Frequency Combs” at Chalmers Univ. Tech. as an IEEE Distinguished Lecturer, a seminar on “Gas-source MBE of 3C-SiC on Si and growth of epitaxial graphene thereon”, and a workshop on “Li-Fi Technologies and Applications” with 11 invited speakers (organized jointly with Swedish Energy Agency and ISST). The **PE/PEL Chapter** held 8 technical events including one on HVDC transmission; the student chapter also participated in the congress in Brazil. The **C Chapter** had three technical events, the 12<sup>th</sup> MODPROD workshop in Linköping, next level test automation and SIREN- The Swedish Requirements Engineering Research Network. The **ED Chapter** held 6 technical events including a workshop on Two-Dimensional Soft Materials for Energy Storage and Conversion, Predictable Execution of Automotive Real-Time Applications on Many-Core platforms. The **EMC chapter** held 2 full day workshops and one technical meeting. One workshop on EMC in machinery in September and one (jointly with SNRV) on EMC in vehicles in December. The **IA Chapter** is working on revitalization and open to activities in collaboration with other chapters in the coming year. The **RA Chapter** held 2 tech events including a seminar on Autonomous Driving at Scania – Research in Practice. The **SP Chapter** held 2 events in Stockholm. The **SIT Chapter** revitalized during 2018 and hosted seminars on LiFi workshop and Energy Efficiency soon after having their AGM. The **EPS Chapter** held 5 technical seminars via the monthly IEEE EPS seminar series held at Chalmers University of Technology.

The **Women in Engineering (WIE)** Sweden Chapter held 3 planning events, 2 technical events, besides supporting the YP (Young Professionals) Affinity Group in many of their events. The **Young Professionals Affinity Group** had their annual general meet where a new vibrant board was elected. After the elections, the board outlined their plans for the coming year and they are already working towards it, including launching a new website. Almost all the events by the WIE and YP group were executed with a healthy involvement of the student branches in Stockholm- **KTH** and in Gothenburg- **Chalmers**.

## Board Activities

During 2018 the IEEE Sweden Section Board had 10 regular board meetings over Webex, one per month, and a face-to-face meeting at the AGM. We continue to make progress and remain an example for the sections in Region 8 and worldwide. We also continue to support and invest in the next generation of leadership- SB YP WiE. For the 6<sup>th</sup> year, we held a **successful Chapter Chairs workshop** with the Section, Chapters, YP, WiE and SB, with almost all chapters participating physically or via web; mutual learning, inspiration and cooperation.

## International Activities

The spring edition of IEEE Region 8 meeting was held in **Athens** and attended by the Chair, Samarth Deo and the past-Chair, Mats Edvinsson. The autumn edition was held in **Belgrade**, Serbia, attended by the Chair, Samarth Deo. The students, young professionals and women in engineering got a chance to participate in two global events- the PES Student Congress in Brazil and the IEEE Region 8 SYP Congress in Portugal. **Samarth Deo** was elected as the **Chair of the EPICS-in-IEEE committee for 2019**. **Arnold Pears** was appointed as the **Vice-President for publications of the IEEE Education Society** from 1 Jan 2019.

## Awards and Recognition

The IEEE Board of Directors selected **Harold “Bud” Lawson** to receive the **2019 IEEE Simon Ramo Medal**, which is given for exceptional achievement in systems engineering and systems science. **Elena Vasileva** was presented a certificate of appreciation for her Notable Services and Contributions towards the advancement of IEEE and Engineering Profession.

## Members

The **Section has 2076 members**, including associates and affiliates as on 27<sup>th</sup> Jan 2019, of which 304 Senior Members and 36 Fellows. The section was commended by MGA for meeting the retention goal for the 2018 membership year and was **awarded a silver badge** for this outstanding achievement.

## IEEE Sweden Section Board FY 2018

**Samarth Deo**, Chair  
**Viacheslav Izosimov**, Vice Chair  
**Christofer Silfvenius**, Treasurer  
**Arnold Pears**, Membership Development,  
**Qinghua Wang**, Membership Development  
**Celestine Iwendi**, Newsletter Editor  
**Andrei Gurtov**, Board member  
**Bjorn Sonerud**, Board member  
**Mats Edvinson**, immediate past Chair

Stockholm, January 28, 2019  
*Samarth Deo*  
Chair, IEEE Sweden Section