

## Sweden Section

Chair, Andrei Gurtov

### Section Vitality

In March 2022, AGM elected a nominating committee (NomCom); NomCom was managed by Havel Khadem with help of Samarth Deo and Arne Alping. NomCom designed a democratic process for reorganization.

The elected board members of IEEE Sweden Board for FY 2022 are:

- Andrei Gurtov, Chair
- Viacheslav Izosimov, Vice Chair
- Umar Zakir Abdul Hamid, Secretary
- Ming Xiao, Membership Development Officer
- Biswajit Singh, Industrial Relations Officer
- Christian Bohm, Treasurer
- Tatiana Andersson, Auditor
- Qinghua Wang, Information Officer and Newsletter Editor
- Gerard Duff, Student Activities Chair

A remarkable value-add during AGM 2022 was the inspiring technical lecture "Is there any room for cyber-physical systems in industrial automation?" by IEEE Fellow Prof. Valeriy Vyatkin.

The IEEE Sweden Section board was active in Q2 and held online meetings in April, May, and June before taking a summer break. Thanks to in-time reporting, our Section received full rebate with a bonus from the central IEEE. To promote IEEE Sweden, the board and affinity chairs will be now wearing "IEEE Sweden" logo shirts on special occasion

### Students

The section has six registered student branches. While three of them have been active (KTH, Chalmers and Linköping), the other three have been dormant for some time now.

The Section plans to attract more student members via selected award memberships.

### Affinity Groups

Young Professional and Women in Engineering Affinity Groups are present in the Section. WiE was quite active organizing several events, while YP is in search of a new leader.

### Chapters

The Section has fifteen registered chapters, six student branch chapters (KTH WIE, KTH PE, Blekinge WIE, Chalmers WIE and Chalmers EP) and two affinity groups (WIE and YP).

The Annual Chapter Chairs workshop (held October) is a forum for all chapter, affinity group, student branch chairs to discuss events that could be done in joint collaboration. The meeting has been tradition since 2016 and is a reason for successful operation of the chapters. During the meeting, chapters are also briefed about the budget process for the coming years, making sure the budget is submitted, approved at the right time and the section treasurer has all the input needed to submit to the IEEE HQ.

### Industry

Dr. Viacheslav Izosimov (PhD from Linköpings Universitet and Docent from KTH), currently working at Semcon Sweden was re-elected as Vice Chair for the Section.

First, Viacheslav would like to continue the work in increasing attractiveness of IEEE for industry and individuals working for industry. In the opportunities that arise after end of the Pandemic. Physical or hybrid meetings can contribute to networking and creating mutual trust among the individuals in academy and industry meeting in person, and students finding new job opportunities.

Second, Swedish industry need to welcome a new wave of refugees, creating employment opportunities for them in Sweden. In previous waves, connections to VINNOVA and academic institutions were crucial to provide education and funding for adapting the refugees to Swedish job market. Similar, today, involving multiple actors, including IEEE Sweden, should contribute to securing networking and availability of job opportunities to refugees from Ukraine in short and long terms. Both entrepreneurial and educational events need to be coorganized for mutual benefits of industry and new arrivers, Engineering for Humanity.

**Diversity, Equity and Inclusion**

WiE is a very active affinity group in the Section. Dr. Ming Xiao, Membership Officer keeps the statistics regarding gender balance, inclusion, etc.

**Activities since the last report***IEEE Reliability Society, Joint Sweden and Norway Chapter*

In the first part of 2022, we have successfully organized two free lunch Webinars with support of four distinguished speakers with over one hundred participants:

- Dr. Xinhai Zhang, from Sigma Technology Consulting AB (currently work with SCANIA),

Sweden, with his presentation titled “Critical Scenarios for Automated Driving and How to Identify Them”.

On 17-Feb-2022 IEEE-PS Sweden Chapter organized a webinar with the invited IEEE-PS Distinguished Lecturer Prof. Salah Obayya (Zewail City of Science and Technology, Egypt) giving a talk on “Computational Nanophotonics: Basics, Challenges and Future Perspectives”.

*IEEE Electronics Society (IES)*

2021 IES SYPs Competition: The competition was organized by IES Student Branch Chapter in 2021. It provided a chance for SYPs members to present exciting research results and demonstrate their outstanding talents. Due to the COVID-19 pandemic, the IES SYPs competition was held online.

*IEEE Signal Processing Society, Sweden Chapter (SPS)*

It is my great pleasure to inform you that the IEEE Signal Processing Society's Sweden Chapter has been awarded Certification! This Certification will be valid for four years, so the Chapter will be certified from 1 January 2023 through 31 December 2026.

*See the Section Newsletters for a full list.*

**Planned activities**

Chapter Chairs workshop is scheduled for October 27<sup>th</sup> in hybrid mode, Linköping University and Zoom.

OPS-2022: The Optics and Photonics in Sweden (OPS-2021) conference is organized by IEEE Photonic-Sweden and Umeå University. The venue is Umeå University with the general chair, Prof. Ove Axner, Department of Physics, Umeå University on 5-October to the 6- 2022. IEEE Photonics Society Sweden Chapter will sponsor the Best Paper and Best Poster Awards.

*See the Section Newsletters for a full list.*

**How Region 8 can be of help to your Section, members, and activities**

Provide early registration and visa support 6 months before R8 events.

**Any other issues of interest**

More details in our Q1 and Q2 newsletters

<https://r8.ieee.org/sweden/2022/04/13/ieee-sweden-newsletter-2022-q1/>

<https://r8.ieee.org/sweden/2022/08/25/ieee-sweden-section-newsletter-2022-q2/>