

IEEE Sweden Chapter Chairs Workshop 31st October 2024

Andrei Gurtov, Chairman
Professor, Linköping University

Sweden Section

Foundation

1884



AIEE

American Institute
of Electrical Engineers

Thomas Edison,
Alexander Graham
Bell,
and other notables
founded the
**American
Institute of
Electrical
Engineers.**

1912



IRE

Institute of Radio
Engineers

Pioneers of
wireless
technologies
and electronics
founded the
**Institute of
Radio Engineers.**

1963



IEEE

Institute of Electrical
and and Electronic
Engineers

AIEE and IRE
merged to become
the Institute of
Electrical and
Electronic
Engineers, or
IEEE.

1965



Sweden Section

Facts

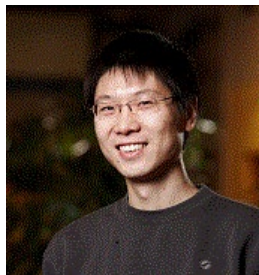
- ▶ Approximately 2000 members as on date
 - Hence a large Section
- ▶ Has hosted several congresses, conferences and pan-Nordic events
- ▶ Usually known for benchmarking the quality of events
- ▶ Several awards (later slide) in the recent years
- ▶ Representatives from Sweden in key IEEE global committees



Sweden Section Ex. Board FY 2024



Chair – Andrei Gurtov
Linköping University



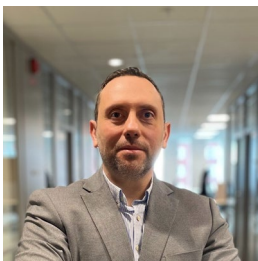
Vice-Chair – Qinghua Wang
Högskolan Kristianstad



Secretary – Gurjot Gaba
LiU



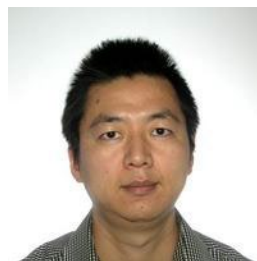
Treasurer – Christian Bohm
KTH



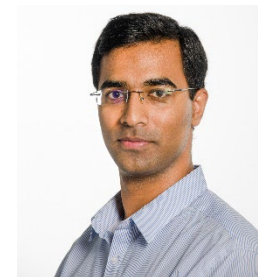
Industry Relations
Anas (Tage)



Newsletter Ed.
Monowar (Haval)



Memb. Dev - Ming Xiao
KTH



Past Chair – Samarth Deo
Hitachi ABB Power Grids

Sweden Section Board FY 2024 – adjunct members



Oksana Moryakova
Chair -Student Activities/YP



Amleset Kelati
PastChair – Women in Eng.
Assistant



Sudha Ramasamy
New Chair – Women in Eng.

Ali El Mohajer
Chair – KTH SB



Suleman Khan
Vice-Chair YP – LiU SB



Auditor – Tatiana
Andersson

Mohamed Hashim
Chair – Chalmers SB

Ahmad Usman
Chair, Linköping SB

Member – Arne Alping
Member – Samarth Deo
Member - Viacheslav Izosimov
Member - Margaretha Eriksson

Nomination and Appointment Committee Members

IEEE Sweden Section before COVID 2018



Section Achievements 2020-2024

- ▶ Over 2000 members, survived Pandemia
- ▶ Hard start with many changes, banks
- ▶ Found new Auditor
- ▶ Treasurer: saving on taxes
- ▶ LiU exemplary SB award, etc
- ▶ 3 new Chapter founded
 - Reliability
 - Industry Applications Society and Industrial Electronics Society
 - Geoscience and Remote Sensing Society

Members by Chapters/AG

Society Name	Mar 2024	Mar 2023	Society Name	Mar 2022	Mar 2021
IEEE Young Professionals	499	499	IEEE Dielectrics and Electrical Insulation Society Membership	31	32
IEEE Communications Society Membership	201	212	IEEE Aerospace and Electronic Systems Society Membership	27	28
IEEE Computer Society Membership	172	181	IEEE Intelligent Transportation Systems Society Membership	33	28
IEEE Signal Processing Society Membership	137	132	IEEE Computational Intelligence Society Membership	25	26
IEEE Power & Energy Society Membership	125	129	IEEE Instrumentation and Measurement Society Membership	29	26
IEEE Microwave Theory and Techniques Society	99	103	IEEE Consultants Network Membership	23	27
IEEE Antennas and Propagation Society Membership	100	91	IEEE Systems, Man, and Cybernetics Society Membership	23	22
IEEE Control Systems Society Membership	85	90	IEEE Geoscience and Remote Sensing Society Membership	20	18
IEEE Robotics and Automation Society Membership	106	96	IEEE Electronics Packaging Society Membership	11	13
IEEE Industrial Electronics Society Membership	72	76	IEEE Education Society Membership	13	12
IEEE Solid-State Circuits Society Membership	60	63	IEEE Oceanic Engineering Society Membership	13	13
IEEE Vehicular Technology Society Membership	58	68	IEEE Nuclear and Plasma Sciences Society Membership	11	11
IEEE Power Electronics Society Membership	68	63	IEEE Magnetics Society Membership	20	12
IEEE Circuits and Systems Society Membership	43	49	IEEE Ultrasonics, Ferroelectrics, and Frequency Control Society	11	11
IEEE Electromagnetic Compatibility Society Membership	44	47	IEEE Reliability Society Membership	14	11
IEEE Information Theory Society Membership	38	44	IEEE Society on Social Implications of Technology Membership	12	9
IEEE Electron Devices Society Membership	31	43	IEEE Consumer Technology Society Membership	4	4
IEEE Women in Engineering Membership	37	38	IEEE Technology and Engineering Management Society Membership	7	7
IEEE Photonics Society Membership	37	37	IEEE Professional Communication Society Membership	5	4
IEEE Engineering in Medicine and Biology Society	24	26	IEEE Product Safety Engineering Society Membership	1	2
IEEE Industry Applications Society Membership	36	32	IEEE Broadcast Technology Society Membership	0	1

Award 2023



Board Meetings FY2024

- ▶ Wednesdays 12-13 over Zoom
- ▶ April 10, May 15, June 5, Sep 4, Oct 9, Nov 6, Dec 11

Section Chairs Congress – Ottawa (August 2023)



Region 8 Meeting – Vienna (March 2024)

With IEEE President



Region 8 Meeting – Bucharest (April 2023)

Visited Dracula's castle!



Region 8 Meeting – Bordeaux (October 2024)



Finances

- ▶ You are!
- ▶ 1st time I saw Section accounts valued over 1M SEK



Technical Lecture By IEEE Fellow Prof. Henrik Sandberg

- ▶ Given at AGM in March 2023
- ▶ "Secure networked control systems: Closing the loop over malicious networks".
- ▶ Personal page:
<https://people.kth.se/~hsan/>



Technical Lecture By IEEE Fellow Prof. Subhrakanti Dey

- ▶ Given at AGM in March 2024
- ▶ "Towards a new era for control design over networks".
- ▶ Personal page:

<http://www.signal.uu.se/Staff/sd/sd.html>



THANK YOU