

## IEEE WIE AFFINITY GROUP SWEDEN

Presenter : Amleset Kelati, PhD Tech), PostDoc @UTU, and  
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Chair, Women In Engineering (WIE)

IEEE Sweden Section

**October 26, 2023**



## **AGENDA**

- Brief on Sweden Affinity group WiE
- Celebrating WiE Day
- Officers of Sweden section Affinty Group WIE
- WiE Members Statistics
- Events
- Past
- On Coming
- Discussions



**IEEE** is the world's largest technical professional organization dedicated to advancing technology for the benefit of humanity

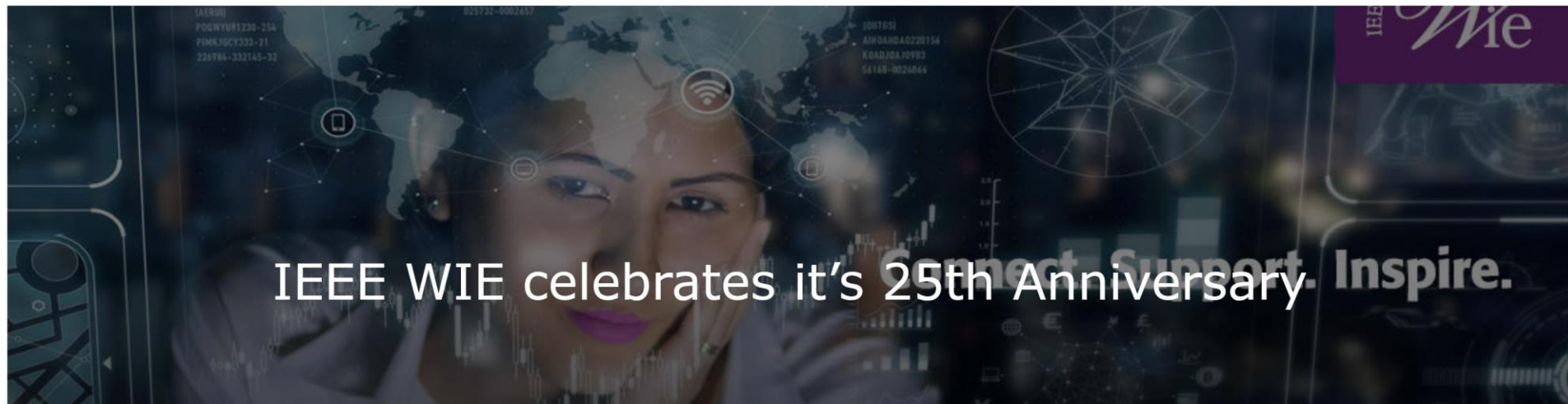
**Women in Engineering (WIE)** is a global network of IEEE members and volunteers dedicated to promoting women engineers and scientists, and inspiring girls around the world to follow their academic interests in a career in engineering and science

- Our goal is to facilitate the recruitment and retention of women in technical disciplines globally. We envision a vibrant community of IEEE women and men collectively using their diverse talents to innovate for the benefit of humanity

## **WIE Mission and Activity**

- Recognize the outstanding achievements of women in electrical and electronics engineering through IEEE Awards nominations
- Organize workshops at major technical conferences to enhance networking and to promote membership in IEEE WIE
- Advocate women in leadership roles in IEEE governance and career advancement for women in the profession
- Promote member grade advancement for women to the IEEE membership grades of Senior Member and Fellow
- Facilitate the development of programs and activities that promote the entry into, and retention of, women in engineering programs
- Administer the IEEE Student-Teacher and Research Engineer/Scientist (STAR) Program to mentor young women in junior high and high schools

## Women in Engineering (WIE) Affinity Group Sweden



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Main Activities : Inspire and motivate high school girls and  
for Engineering education

## Amleset Kelati

- Postdoctoral Researcher  
University of Turku (UTU) ,  
Department of Technology
- Chair, Women In Engineering  
(WIE), IEEE Sweden Section



## Sudha Ramasamy



- Associate Senior Lecturer  
Automation Division in Höskolan  
Väst, Trollhattand
- Vice-chair, Women In Engineering  
(WIE), IEEE Sweden Section

## Silvia Muceli



- Assistant Professor, Chalmers,  
Biomedical Signals and Systems  
research unit
- Treasurer, Women In Engineering (WIE),  
IEEE Sweden Section

## Members and Affiliates - Dashboard

This dashboard provides interactive views for members, society affiliates, and participants by region, geographic council, section and subsection.

- Refine data through filters or click within a visualization to view results and details.
- Hover over a visualization to display a tooltip with statistical facts.
- **Important: Choose an OU from "Select OU of your Volunteer Role" filter to view customized results for your OU position.**

**Select OU of your Volunteer Role**  
Sweden Section Affinity Group, WIE

**Region**  
R8

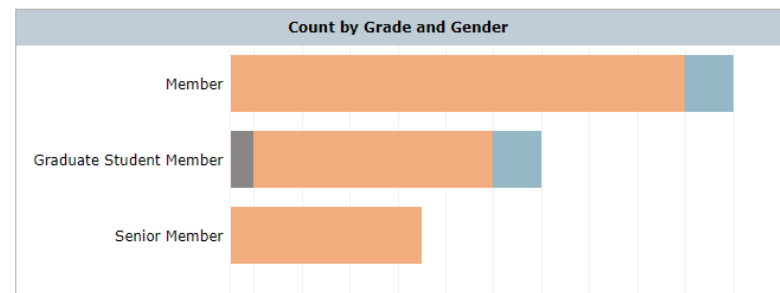
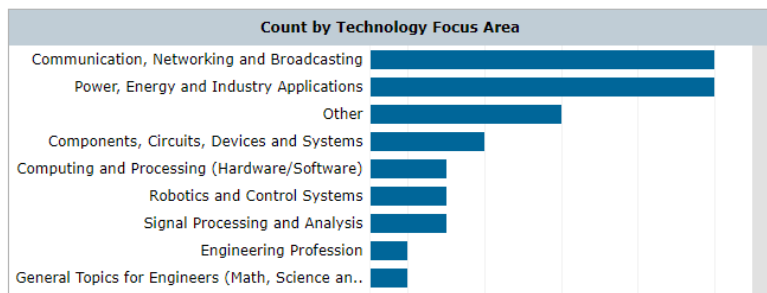
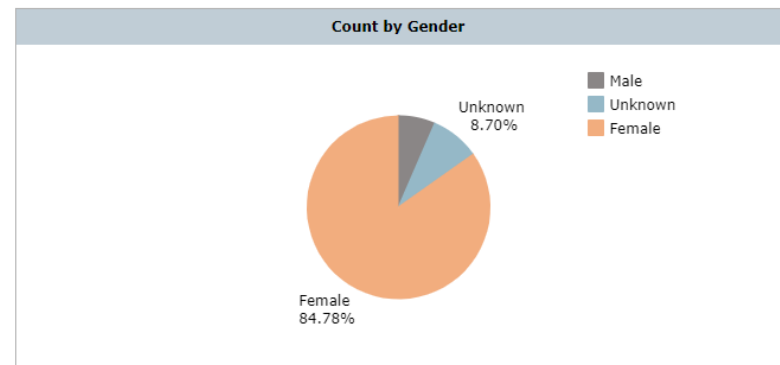
**Section**  
Sweden Section

**Grade**  
(All)

**IEEE Status**  
Active

**HKN Member**  
(All)

Count by Region and Grade					
Region	Council	Section	Grade Category	Grade	Total
R8	Region 8 - No Council	Sweden Section	IEEE Grades	Graduate Student Member	14
				Member	22
				Senior Member	9
				Student Member	1
				Total	46
			Total		46
		Total			46
	Total				46
Grand Total					46







The group has won several invitations and awards in 2022, 2021, 2020, 2019

- Collaborate with SPS
- Young professionals
- IEEE Social Implication Society Group (SIT)
- Student Group at KTH



Date: 08 Mar 2023

Time: 04:00 PM to 06:15 PM



Margaretha A K Eriksson

Topic: "Women and leadership, a perfect match" by Margaretha A K Eriksson, IEEE Region 8 Past Director

**IEEE Sweden WIE Affinity Group Celebrate International Women's Day with Margaretha A K Eriksson, IEEE Region 8 Past Director**

Biography:

**Margaretha A K Eriksson (M'95, SM'04)**

Margaretha Eriksson received her M.Sc. degree in Electrical Engineering/Power Engineering from The Royal Institute of Technology, Stockholm, Sweden, in 1988. She has studied Information Security at Stockholm University/KTH, Business Intelligence and Security Architecture.

In 1989 she founded Ibis Konsult AB, a consulting company involved with Engineering Management and Information and Cyber Security. She is lecturing on Risk analysis and Information Security at Halmstad University, Sweden.

Margaretha has consulted with international corporations as IBM, SAP, Oracle, Microsoft, Ericsson, Saab, ABB,

Bombardier, Tetra Pak, and Volvo.

During 2017-2022 she was Senior Information Security Specialist at CGI, as well as working as CISO for a Swedish government agency.

She became the first female Director of IEEE R8 in 2017, and was also the first female Chair of the Swedish National Organization for EE:s ([www.ser.se](http://www.ser.se)) in 1999, as well as the first female President of EUREL ([www.eurel.org](http://www.eurel.org)).

Margaretha has worked internationally for more 40 years at JCI ([www.jci.cc](http://www.jci.cc)), a global NGO working with leadership and entrepreneurial development, as a skilled and inspiring trainer, and international leader. She has received life time membership and was awarded "Most outstanding JCI Senator in the World" 2006.

She lives in Sweden.

Margaretha has received several IEEE awards:

**IEEE EAB Meritorious Achievement Award in Continuing Education 2012** "For exceptional leadership in organizing and delivering practical leadership and management training to young entrepreneurs, IEEE students and Graduates of the Last Decade"

**IEEE R8 Presidential Award 2007** "For leadership and outstanding service in pioneering workshops on the development of Leadership Skills and Project Management 2001-2005"

**IEEE MGA Leadership Award 2002** "For stimulating and promoting the formation of technical chapters and promoting the value of the IEEE membership at regional conferences within IEEE Region 8.

Margaretha has been Keynote speaker at WIESYP-ECE in Dhaka, Bangladesh (2015), and Workshop leader at CeSYP in Zagreb, Croatia (2015), as well as at WSYP in Colombo, Sri Lanka (2015) and a few more occasions.

She was member of IEEE Board of Directors 2015-2018 and instrumental in establishing the R8 Africa Council.

Email: [margaretha.eriksson@ieee.org](mailto:margaretha.eriksson@ieee.org)

Address: Stockholm

# IEEE Sweden WIE Affinity Group, Conference Collaboration ICACTCE'23

## IEEE SPS Sweden, Conference Collaboration ICACTCE'23

IEEE SPS Sweden chapter is one of the organizers of the ICACTCE'23 Conference: The scope of **ICACTCE'23 – International Conference on the Advances in Communication Technology and Computer Engineering** Conference is to provide a common forum for researchers, engineers, academicians as well as industrial professionals from all over the world to present their research results and development activities in various topics of Engineering and Technology. It is an opportunity to discuss and interchange the real needs of Smart Cities in order to contribute in realizing smart communities of the future. The conference covers all topics of Smart cities, Artificial Intelligence, Internet of Things, Communication Networks, and Data Analytics

Interested chapters are welcome to join us! (email to [amlikelati@ieee.org](mailto:amlikelati@ieee.org))

[Home One](#)

### CALL FOR PAPERS

Paper submission deadline: 31 October 2022  
Notification of acceptance: 10 January 2023  
Camera-Ready submission deadline: 20 January 2023



Hybrid event (Feb 2023) Seminar with Power Engineering group.

TUTORIAL ON PRESENTATION SKILL FOR STUDENTS AND RESEARCHERS  
BY ERIK FROM ORDRUM  
NOVEMBER 30, 2022

On line event (2h seminar on presentation skills/advice mainly for PhD students and PostDocs).

## Past activities

Lunch seminar at Chalmers organized in collaboration with WISE (Workforce for Inclusive Science)

WISE-IEEE WIE , December 14, 12-3:30 PM



Topic: A cross continental career trajectory in time and space through the pandemic toward being a professor of bioengineering

Biography:

S. Farokh Atashzar is a professor of Electrical and Computer Engineering, also Mechanical and Aerospace Engineering, in New York University, where he leads the Medical Robotics and Interactive Intelligent Technologies Lab. Atashzar is also with NYU Center for Urban Science and Progress (CUSP). Farokh received his master's degree in Iran and his PhD in Canada. He was a postdoctoral associate at Canadian Surgical Technologies and Advanced



Topic: The cultural and social challenge of promoting the professional value of parenthood

Biography:

Alessandra Pedrocchi, is associate professor and research leader of the Neuroengineering Section of the

SEMINAR WITH S. FAROKH ATASHZAR AND  
ALESSANDRA PEDROCCHI

<https://events.vtools.ieee.org/m/293502>

# Coming soon

Date: 07 Nov 2023

Time: 04:30 PM to 05:30 PM

## ON BOARD CHARGER AND DC-DC CONVERTERS FOR ELECTRIC VEHICLE



INDRA GANDHI V

Topic: On Board Charger and DC-DC Converters for Electric Vehicle

Understanding the on-board charger's specifications and capabilities of your EV or PHEV is essential for efficient and safe charging. It influences factors such as charging speed, compatibility with different charging infrastructure, and overall charging experience, making it a critical component in the electric vehicle ecosystem. Knowing about on-board chargers is crucial for optimizing the charging process, ensuring compatibility, and making informed decisions related to electric and hybrid vehicles. It enhances the overall experience of owning and using such vehicles while also supporting sustainability goals.



# Opportunities for Biomedical Signal Processing in Cardiovascular Technology

Seraina Dual



- Assistant Professor KTH
- Bachelor's and Master's degree in Biomedical Engineering, Robotics and Control from ETH Zurich
- PhD in the Product Development Group (Zurich Heart Project)
- Stanford University, Departments of Radiology



## **Few things to remember**

- WIE believes collaboration is the key to increase publicity and get more members
- WIE organizes many events in collaboration with affinity groups at globally, Internationally, and other IEEE chapters



**THANK YOU**



SWEDEN  
WIE AFFINITY GROUP