



IEEE WIE AFFINITY GROUP SWEDEN

Presenter : Amleset Kelati
Chair, Women In Engineering (WIE),
IEEE Sweden Section

October 29, 2021
Annual General meeting of the IEEE Chapter

Amleset Kelati

- PhD KTH, EECS, Electronics and Embedded Systems
- Chair, Women In Engineering (WIE), IEEE Sweden Section



Sudha Ramasamy



- Associate Senior Lecturer Automation Division in Höskolan Väst, Trollhättand
- 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

Parnian Alikhani

- Researcher KTH, EECS, Electrical Power and Energy System
- Secretary, Women In Engineering (WIE), IEEE Sweden Section



.About IEEE

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

About IEEE WIE IEEE

- 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

Our main drivers for WIE in R8

SWEDEN
WIE AFFINITY GROUP

Members = 45
Senior member = 8
Student = 22

- VITALITY
- AWARENESS & PRESENCE
- ENGAGEMENT
- ACTIVE PARTICIPATION
- DIRECT AND CONTINUOUS CONTACT TO MEMBERS



WIE ACTIVITY

- IEEE WIE is dedicated to make change in engineering cultures worldwide
- Through meetings, representations and delivering reports on the activities
- By providing leading-edge professional development for mid-level and senior
- To develop and Implement transparent, systematic and sustainable strategies for pushing WIE's goals throughout the IEEE and beyond
- With its dedicated members who strongly believe in the power of women. and the IEEE

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.

SWEDEN AFFINITY GROUP WIE ACTIVITIES

MARCH 8, 2021 IWD EVENT

SPEAKERS



Amleset Kelati

Topic: International Women's Day (IWD) Introductions and History

International Women's Day (IWD) is celebrated on March 8 every year. It is a focal point in the movement for women's rights. After the Socialist

Party of America organized a Women's Day on February 28, 1909, in New York, the 1910 International Socialist Woman's Conference suggested a Women's Day be held annually. After women gained suffrage in Soviet Russia in 1917, March 8 became a national holiday there. Including, the Charter of the United Nations, signed in 1945, was the first international agreement to affirm the principle of equality of women and men.

Biography:

Amleset Kelati received three Master of Science degrees in Electronics, Communication, and Electrical Engineering from the Universidad Central De las Villas, Chalmers University of Technology, and from the Royal Institute of Technology, 1986, 2001, and 2005, respectively. Amleset has more than two decades of industrial experience in the area of electronics system

International Women's Day 2021



Lina Bertling Tjernberg

Topic: Electric power systems developments for a sustainable society and discussions about recent power shortages

Abstract:

The energy system is in a global transition towards a sustainable society. Resource efficiency and environmental concerns push towards change into the use of renewable energy resources and to optimize the energy usage. This transition has been motivated by climate and energy goals and a growth in energy needs. The United Nations adapted a resolution for a sustainable development with 16 goals until 2030 and the European Commission has launched the targets

07 APR 2021



Marzieh Eini Keleshteri

Topic: How to Use LaTeX to Draft a Journal Paper, Part 1

In this workshop, you will learn how to....

- define a preamble from scratch
- use proper packages
- add figures and tables
- set margins, headers, and footnotes
- insert equations and keep them organized by numbering
- cite references and create a bibliography using BibTeX
- and more!

Biography:

Dr. Marzieh Eini Keleshteri received an M.Sc. degree in pure mathematics from the University of Isfahan in Iran in 2007. She also received an M.Sc. degree in applied mathematics and computer sciences and a Ph.D. in mathematics from Eastern Mediterranean University, North Cyprus in 2011 and 2015, respectively. Currently, she is a Ph.D. candidate in electrical engineering at the University of Manitoba. She has acted as the vice-chair of the IEEE Women in Engineering (WIE), Winnipeg section since September 2019. She has been an active LaTeX user since 2006.

Address: University of Manitoba, Department of Electrical & Computer Engineering , E3-522, EITC, 75 Chancellor's Circle, , Winnipeg, Manitoba, Canada, R3T 5V6

OCTOBER 5TH , 2021

Organized by :
Sudha Ramasamy



Dr, Nandhitha of Sathyabama Institute of Science and Technology

Topic: **Feasibility of Deep learning techniques solving Real world problems**

Biography:

Dr.N.M.Nandhitha, is currently Professor & Dean, School of Electrical and Electronics of Sathyabama Institute of Science and Technology. In her span of 23 years as a teacher, she held responsibilities as Head (Academics) for the Department of Electronics and Communication Engineering and Head (Research) for School of Electrical and Electronics.

She has completed her Masters in Power Electronics and Industrial Drives with a Gold Medal. She has completed her doctoral research in Thermal Image Processing and Soft Computing Techniques. She has successfully completed research projects sponsored from government and R & D institutions in India (DST, TNSCST, BRNS and BRFST). She is the recipient of CTS best faculty award and has delivered guest lectures on her areas of expertise in other Engineering colleges and Universities. She has 100 research articles indexed in Scopus and Web of Science.

DECEMBER 8TH, 2020



Diana Rwegasira

Topic: Adoption of CDE Approach under iGrid project, Tanzania

The talk will focus on the iGrid project specifically on demonstrating how the CDE (Challenge Driven Education) methodology has been used towards providing mutual benefits in developing and developing countries upon solving societal problems. In a nutshell, the area to be discussed under this project are control and monitoring aspects with Agent-Based System, Communication and Security with IoT, e-health, etc. Achievements and opportunities towards the use of CDE are also amongst the discussion.

Biography:

Assistant Lecturer, Diana Severine Rwegasira is a PhD student as a sandwich programme between University of Dar es salaam (UDSM) in Tanzania and Royal Institute of Technology (KTH) in Sweden (June, 2016 till present) focusing on enhancement of agent based control on Solar driven DC microgrid system. She obtained her Bsc in Computer Engineering and IT at the University of Dar es salaam from Sept.2004- Dec. 2008. Thereafter, she went to University of Eastern Finland (UEF) in Finland and pursued her Msc in Computer Science from August.2010 – Dec.2011. She has been teaching different course at the University of Dar es salaam inducing programming courses, computer applications and e-commerce applications, supervising projects for final year students and practical training for continuing students.

Student and Young Professional Congress



OCTOBER 14TH 2021



Dear Colleagues,
We hope that our message finds you well and in good health.

R8 Women in Engineering Subcommittee are happy to invite you to a meeting which is organized with all R8 Women in Engineering Affinity Group Chairs on **October 14th 2021, 7-9 PM UTC+3**. Connection details can be found at the end of this message. More details will follow up. If you have something that you would like to share with us, kindly send it to us at ma-wie@ieee8.org

Please feel free to disseminate this information to other people that might be interested.

We really hope you will be able to join us on this occasion.
Best regards

IEEE Region 8 Women in Engineering Sub-Committee

Maria-Alexandra Paun



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|
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|
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Samina Husain



CORRESPONDING MEMBER,
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IEEE WIE COMMITTEE



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EEE Women in Engineering International Leadership Conference



Dr. Misa C. Jamison
Engineer, Physicist, former NASA Astronaut...



Stacey Abrams
Non-Profit Leader, Political Activist & Serial E...



Toshiro Fukuda
2021 IEEE Past President



Sandra L. Kivner
DVP and Chief People Officer, Intel



Lynne Doherty
DVP Global Sales & Marketing, McKiss



Julie Collier
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Chief Executive, Chartered Management Inst...



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Senior Vice President, Engineering Qualcomm...



Sandy Carter
AWS, Vice President of WWPS Partners and...



Kerville Prabhakar
Chief DSI Officer, Principal, Deloitte Consult...



Virtual:

<https://events.vtools.ieee.org/m/270092>

IEEE WIE ILC Apr 27-30

Written by: Carina Geldhauser

ELLIIT career talk #3 and women's fika

From pure mathematician to data scientist

What can I do with a degree in mathematics? Who might be interested to employ me? How do I find my next job? How does my career advance? How much mathematics will I be using in a job in industry? And what do I have to if I (don't) want to keep working at a university? If any of these questions has crossed your mind previously, then come to our series of career talks to find out!

Current lineup for **Wednesday, April 28th, 15:00h:**

Salla Franzen, Chief Data Scientist at SEB Bank Stockholm

Salla got her PhD in pure mathematics at Stockholm University and started out into professional life with postdocs in Oslo and Sundsvall. Then she entered the finance sector as a risk- and portfolio analyst, before getting hired at SEB in 2011. She is Chief Data Scientist at SEB since 2017.

The events are sponsored by **ELLIIT**, the **Linköping-Lund initiative on IT and mobile communication**, gender funds. In addition to the talks, which are open to everyone, individuals of underrepresented gender have the opportunity to have a virtual "women's career fika" with the speakers in a small group directly after the talk.

Time plan:

- 15.00 – 15.05h arriving and intro
- 15.05h Salla's talk
- ca. 15.35h Q&A
- 15.40h-16h: women's fika

UNESCO Report

Today at 18:00
[https://ieeemeetings.webex.com/ieeemeetings/j?](https://ieeemeetings.webex.com/ieeemeetings/j?MTID=m971293c84df158ff9cc4555a455ae794)
MTID=m971293c84df158ff9cc4555a455ae794

Following slides from October 14th
Region 8 WiE meeting

Reference:

2nd UNESCO Engineering Report (2021), **Engineering for Sustainable Development**, Women in Engineering section, "Equal Opportunities for All"

<https://unesdoc.unesco.org/ark:/48223/pf0000375644/PDF/375644eng.pdf.multi>

Diversity and Inclusion

Today at 18:00
[https://ieeemeetings.webex.com/ieeemeeting?](https://ieeemeetings.webex.com/ieeemeeting?MTID=m971293c84df158ff9cc4555a455ae7f)
MTID=m971293c84df158ff9cc4555a455ae7f

- Diversity and Inclusion in Engineering
- Engineering for Sustainable Development
- Drivers for change
- Changing culture

Drivers for change

Today at 18:00
<https://ieeemeetings.webex.com/ieeemeetings/j.php?MTID=m971293c84df158ff9cc4555a455ae794>

- Increasing recognition of the current and historic lack of equality in opportunities for all
- A skills shortage driven by an increasingly technical world, coupled with an ageing demographic (RAEng, 2019)
- Acknowledgement of the reality that innovation, profit and high-quality engineering is improved with a more diverse team of engineers (Hunt, Layton and Prince, 2015)
- An increasing focus on the SDGs and what this means within the engineering sector

Women in Engineering

Today at 18:00
<https://ieeemeetings.webex.com/ieeemeetings/j.php?MTID=m971293c84df158ff9cc4555a455ae794>

- Making engineering education, professional development opportunities, pay equity and career-life integration initiatives available to women are key to their engagement, retention, leadership growth and desire to stay in the workforce and make contributions to the profession (Montgomery, 2017; O'Meara and Campbell, 2011; Tull et al., 2017).
- Many existing barriers prevent women and girls accessing STEM subjects. In some countries, restrictions still exist that prevent girls from taking certain subjects at school including science (Agberagba, 2017).

Women in Engineering

R8 WIE meets leaders of R8 Section WIE AGs
Today at 18:00
<https://ieeemeetings.webex.com/ieeemeetings/j.php?MTID=m971293c84df158ff9cc4555a455ae794>

- In order to address these barriers, clear progression pathways from all points in the education and employment system leading to a future career in engineering should be provided (UNESCO, 2017).
- In higher education, female students face barriers in progressing from education to professional employment. Yates and Rincon (2017) suggest that the retention of women in engineering and as entrepreneurs can be improved through work experience prior to graduation, as well as in the development of professional networks and external supports to assist with transition into the engineering workforce.



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- Female academics are subject to institutional barriers resulting from major inhibitors, such as reduced success rates and often substantially lower grant funding, as well as barriers to research publication (RSC, 2019).
- These factors limit women's access to promotion and hence to progression to professoriate positions within engineering academia. Addressing and removing these barriers is critical to enabling women to progress equitably and to reach decision-making positions in academia.

Women in Engineering

Today at 18:00
<https://ieeemeetings.webex.com/ieeemeetings/j.php?MTID=m971293c84df158ff9cc4555a455ae794>

- Women leaders with unique experiences and who have become what other women aspire to be, have significant power to influence women and girls of all ages. Women from all backgrounds, including those from marginalized or under-represented groups and regions, need to be trained, hired and empowered to achieve their goals.

Currently available opportunities to discover

- ▶ IEEE STEM Summit | 1-6 November 2021 | Free Registration
 - <https://tryengineering.org/stemsummit/>
- ▶ TryEngineering Month | November 2021 | Up to 250\$ Funding
 - <https://tryengineering-month.ieee.org/>
- ▶ Celebrate IEEE Day with IEEE EA | 10 courses for US\$10 each | Offer until 31 October
 - <https://innovationatwork.ieee.org/whats-new/>
- ▶ Women in Science & Technology: Volunteering to Lead | 20 October
 - <https://ieeer8.org/category/member-activities/women-in-engineering/news-women-in-engineering/>
- ▶ Empowering Women in the Triple Helix Model | October 26
 - <https://ieeer8.org/category/member-activities/women-in-engineering/news-women-in-engineering/>



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
- Remember the Report on:

UNESCO Report

Today at 18:00
<https://ieeemeetings.webex.com/ieeemeetings/j...>
MTID=m971293c84df158ff9cc4555a455ae794

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COMING ACTIVITY

➤ Lunch seminar at Chalmers:

- THE CULTURAL AND SOCIAL CHALLENGE OF PROMOTING THE PROFESSIONAL VALUE OF PARENTHOOD

Organized by Silvia Muceli



Date: Mid of November

Location: Chalmers University of Technology

<https://r8.ieee.org/sweden/women-in-engineering-wie-affinity/>

THANK YOU



SWEDEN
WIE AFFINITY GROUP