

Women in IES Session @IECON 2021
Thursday, Oct. 14, 2021

11.30 - 11.40 EDT Welcome and Introduction to the Women in IES initiative

Prof. Lucia Lo Bello, University of Catania, Italy, IES representative for Women in Engineering

Prof. Yousef Ibrahim, Federation University Australia, IES VP for Membership

11.40-12.00 EDT: Invited Speech

Prof. Seta Bogosyan, Turkey/USA

Title: "Connected and Autonomous Transportation: Challenges and Need for International Networks"

Chair: Lucia Lo Bello

12.00-12.20 EDT: Invited Speech

Dr. Regina Roos, Typhoon-HIL GmbH, Switzerland

Title: "Diversity or Division of Work"

Chair: Morgan Kiani

12.20-12.40 EDT Invited Speech

Prof. Maria Ines Valla, Argentina

Title: "Women in Engineering within the National Research Council in Argentina"

Chair: Regina Roos

12.40-12.50 EDT: Wrap-up and Closing

Event registration

If you are not registered for IECON 2021, but you wish to attend the Women in IES Workshop, please register by sending an email to the Contact person indicated below.

Contact

Prof. Lucia Lo Bello, IES WiE representative. Email: lobello [at] unict.it

This event is to foster the women involvement in scientific and technical activities, but it is not intended for women only. Professionals and students, independently of the gender, are welcome to network in a relaxed atmosphere.



Seta Bogosyan

Seta Bogosyan received her B.Sc., M.Sc. and Ph.D degrees in electrical and control engineering from Istanbul Technical University, Turkey in 1981, 1983, and 1991, respectively. After working as a professor of ECE at University of Alaska Fairbanks (UAF) until 2015, she is now a Professor of Control &Automation Dept. at Istanbul Technical University, Adjunct Research Professor of ECE at Virginia Tech, and at the CS Dept. at CCNY, CUNY. Between 2015 and 2019, she served as a Program Director and Expert at NSF Office of Int'l Science and Engineering, and NSF CISE CPS program. Her current research is in CPS autonomous vehicles and platforms, learning-based CPS applications, and teleoperation/bilateral control of robotic systems. She has authored over a hundred journal and conference proceedings, several book chapters, and two books. She has also served as VP to IEEE IES, as Associate Editor of IEEE Transactions on Industrial Electronics (TIE), IEEE Industrial Electronics Society Magazine, (IEM). She is also a Senior Member of IEEE.

Speech title: Connected and Autonomous Transportation: Challenges and Need for International Networks

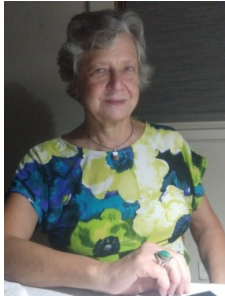
This talk will cover the current challenges faced by this emerging field, in terms of technology, human aspects and policy, and will discuss the role of international networks for some of the existing issues.



Regina Roos

Regina Roos joint Typhoon-HIL GmbH in 2020 , an organisation in the power electronic sector which focus on Digital Twin and HIL Solutions. Her strength is bold transformation of business opportunities in profitable revenues. She challenges innovation with customers and within her organization. She is presently managing two start-ups in the sector Mobility and Streaming Concepts. Prior, Regina Roos worked for Schneider Electric as Vice President, Segment Leader East Asia Pacific for the Mineral, Mining and Metals business . Her role had a strong focus on Digitalization and embracing change by working through co-creation of value with partners. During her career at ABB, she lived in various countries in Asia and Australia. She led the Global Account Management implementation program. She owned the major Mining Company BHP in this capacity. During various assignments at ABB, she restructured Sales Organisations and built up high-performing sales teams. She has spent her entire career in International Assignments after graduation at DHBW as Master Electrical Engineering. She enhanced her expertise with completing an MBA at the Business School INSEAD in France and Singapore. In 2014, she qualified at INSEAD for Board Positions. In 2020 she decided to upgrade her experience with the Swiss-Asia MBA at the FHNW in Switzerland. She is IEEE Senior Member and holds a Seat at the Queensland Government Safety Committee in Australia.

Speech title: "Diversity or Division of Work" Research has proven the male and female use their brains differently. Technical topics also need to be addressed with empathy, especially in the agile market, and constant desire for digital transformation. Effective and Efficient approach via Design Thinking can be a start.



María Inés Valla

María Inés Valla (S'79-M'80-SM'97-F'10) received the Electronics Engineer and Doctor in Engineering degrees from the National University of La Plata (UNLP), La Plata, Argentina. She is currently a Retired Full Professor at the Department of Electrical Engineering, Engineering Faculty, UNLP. She has the highest membership level at the National Research Council of Argentina (CONICET). She is also a member of the Buenos Aires Academy of Engineering in Argentina. She received the Recognition Award from the Argentinean Academy of Science (ANCEFN), which has honored the whole-life activities of scientists in various fields. Prof. Valla has been Co-Editor in chief of the IEEE Transactions on Industrial Electronics (2013-2018), she is member of the IEEE Fellow Committee of the Industrial Electronics Society, she has been member of the IEEE Fellow Committee the Power Electronics Society and member of the IEEE Education Medal Committee. She is Life AdCom Member of the Industrial Electronics Society.

Speech title: "Women in Engineering within the National Research Council in Argentina"

The speech presents a simple analysis of the situation of women doing research in different Engineering fields.
