



IEEE Industrial Electronics Society



**2018 IES Women in Engineering Forum
Monday, October 22, 2018**

Speakers biographies

Xiaolin Lu



[Texas Instruments Kilby Innovation Center, Dallas, USA](#)

Xiaolin Lu is Fellow of Texas Instruments and Director of Kilby Innovation Lab responsible for driving various differentiated industrial- and energy-related connected system level solutions using TI embedded processors, connectivity, analog and power management devices. Her focus area covers: connected sensors, ultra-low-power connected MCU and analog as well as security.

Xiaolin is well-known as an embedded system and software expert inside and outside TI and has given keynote and plenary talks at numerous technical conferences. She holds MSEE and MSCS degrees and is the author/co-author of more than 60 U.S. issued patents and the recipient of a series of awards: 2016 Asian American Engineer of the Year, and Society of Women Engineers (SWE), etc.



Speakers biographies

Nicola Palmarini



Global Manager AI for Healthy Aging, IBM Research - MIT/IBM Watson AI Lab Cambridge
Cambridge, MA (USA)

Nicola Palmarini is a researcher, teacher, writer and TEDx speaker focused on exploring the impact of cognitive technologies and their application in the society at scale and the life transitions of older adults. His primary areas of research are AI for Healthy Aging, The effect of loneliness as an accelerator of physical and cognitive diseases, Ageism as social discrimination.

With the book "Le Infiltrate" (Egea/Bocconi University Press, 2016) he explored the endemic lack of women in STEM careers and that research lead him to be founding board member of the NY based non-profit amazing.community which aims to support women over 55 in their career transition, transforming the false narrative about aging by redefining workplace inclusion, one woman at a time. The work of his team has been awarded two times with the Computer Honors Award and the Disability Matters - Market Place Award.

Between others, Nicola is a board member of International Scientific Advisory Committee at McMaster Institute for Research on Aging (MIRA) and member of the Gerontological Society of America. He works and lives in Boston.



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Speakers biographies

Seta Bogosyan



Istanbul Technical University (ITU), Turkey
University of Alaska Fairbanks (UAF), US.

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. She conducted her PhD studies at the Center for Robotics in University of California at Santa Barbara (UCSB), where she worked as researcher and lecturer between 1987 and 1991. She is currently a professor of electrical engineering at Istanbul Technical University (ITU) and University of Alaska Fairbanks (UAF).

Between 2015 and 2017, she served as a program director at NSF Office of Int'l Science and Engineering. Since 2017, she has overtaken a CPS expert position at the NSF Computer & Information Science and Engineering (CISE), also continuing with her research and professorship positions at UAF and ITU.

Her research interests are teleoperation/bilateral control systems, CPS unmanned/ autonomous vehicles, high efficiency control of HEVS/EVS, and remote labs. She has served as PI to many NSF, and other federally funded grants, and co-authored over a hundred journal and conference proceedings, several book chapters, and two books. She is the Director of the ITU CPS Lab, and Center for Advanced Vehicle Technologies-Autonomous Vehicles. 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), and is a Senior Member of IEEE.



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Speakers biographies

Susan K. Land, Keynote speaker



IEEE Vice President of Technical Activities, Program Manager C2BMC S8.2-3 Missile Defense Agency, USA

Susan K.(Kathy) Land is a Program Manager for the Missile Defense Agency in Huntsville, AL. She served as the 2009 president of the IEEE Computer, two terms on the Institute of Electrical and Electronics Engineers (IEEE) Board of Directors, and two terms as a member of the IEEE-USA Board of Directors (2013, 2016). She is currently the 2017 Vice President Elect for IEEE Technical Activities. She has more than 30 years of industry experience in the application of software engineering methodologies, the management of information systems, and leadership of software development teams. Ms. Land is the author or co-author of a number of texts, papers, podcasts, webinars all supporting sound software engineering principles and practical application of software process methodologies.



Speakers biographies

Gaetana Sapienza



R&D Manager, ABB Corporate Research, Sweden and Head of Operations, SynerLeap,
Sweden

Gaetana Sapienza holds a Ph.D. degree in Computer Science and Engineering from Mälardalen University, Sweden and received a M.Sc. degree in Computer Science Engineering from the University of Catania, Italy. She joined ABB in 2006, where she currently works as R&D Manager for Control, Optimization and Analytics at ABB Corporate Research. She is also Head of Operations at the innovation growth hub SynerLeap powered by ABB, in Sweden. Her main research areas of interest include embedded systems design, modelling and control of industrial automation and robotics applications. Gaetana holds several publications in international venues and journals.

Speakers biographies

Clara Otero Pérez



Director of Systems Innovations for NXP's business unit Automotive in Eindhoven,
Netherlands

Clara Otero Pérez is Director of Systems Innovations for NXP's business unit Automotive in Eindhoven (NL). She is responsible for scouting new systems and applications where NXP's products would play a role and build proof of concepts and demonstrators for those new applications such as connected car, autonomous driving and UAV.

After graduating in Physics by the University of Santiago de Compostela in Spain, she started to work for Philips Research in Eindhoven (NL) as a research scientist in the fields of resource scheduling, streaming architectures and real-time systems. In 2006 she moved to NXP and started working in automotive and secure connectivity related projects. Since 2008 she has worked as department manager driving innovation activities both internal as well as with partners in subsidy projects in the areas of IoT, connected car and cooperative mobility.