

Panel Discussion

Women in Applied Energy



Time: Nov. 29th 14:10–16:00 (GMT+1)

“Women in Applied Energy” was established in 2019. It’s a platform with added value for women lean in and the missions include: empower women researchers in the Applied Energy’s community to obtain career achievements; create a supportive platform for addressing gender-related issues with mentorship; advance gender equality and “Women Power” in energy science, technology, and engineering.

The panel is organized by “Women in Applied Energy” and panelists from different areas will share valuable experience about women development and further discussion is also arranged.

Moderator



Dr. Yanli Liu
Tianjin University

Short Bio

She is the associate professor of the school of electrical and information engineering, head of the department of electrical engineering and executive deputy director of integrated energy power system intellectual center in Tianjin University.

Her research area includes power system stability and security, cyber physical power system, and data-driven method applications in Smart Grid. She is now the “Smart Grid and Energy Internet” Subject Associate Editor of the journal Engineering (published by Chinese Academy of Engineering) and Associate Editor of the journal International Journal of Electrical Power & Energy Systems. She is vice-chair of the IEEE Task Force “Application of Big Data Analytic on Transmission System Dynamic Security Assessment” and secretary of the IEEE Task Force “Cyber-Physical Interdependence for Power System Operation and Control”.

Speakers



Dr. Zhu Li
Tianjin University

GMT+1 14:10-14:25

On the Trans-Disciplinary Way: Technology+Art+Management Short Bio

Dr. Zhu Li is the professor and doctoral supervisor at the School of Architecture, Tianjin University, and the first President of APEC Sustainable Energy Center (APSEC). Dr. Zhu is specialized in Low Carbon Building Design and Technology Integration & Energy Planning and Key Technology of Low-carbon Towns. Dr. Zhu has chaired 41 research projects, the amount of which exceeds 14 million Yuan, and has published 181 papers totally, as the first or corresponding author, 31 papers have been indexed by SCI and 23 papers have been indexed by EI. She has written 2 books and was granted 30 patents.



Dr. Zhaohong Bie
Xi'an Jiaotong
University

GMT+1 14:25-14:40

Resilience for Power System and Women in Power Short Bio

Dr. Zhaohong Bie is with Xi'an Jiaotong University (XJTU), where she is currently a Professor and Doctoral Supervisor, Member of XJTU Committee, Director of XJTU Office of Discipline Planning and Construction, and Dean of School of Electrical Engineering. She is also the Director of Shaanxi Key Laboratory of Smart Grid and serves on the board of Chinese Society for Electrical Engineering (CSEE).

Her research interests include power system resilience, planning and reliability evaluation. She developed a series of planning and reliability evaluation techniques for power system with high penetration of renewable energy. She has served as the leader to make the first international technical specification for microgrid -- IEC TS 62898-1, Microgrids - Part 1: Guidelines for microgrid projects planning and specification. In 2017 she was then awarded with the IEC 1906 Award for her contribution to the IEC working group. She also received provincial and ministerial level scientific research award of China 7 times.



Dr. Aleksandra
TU Delft

GMT+1 14:40-14:55

Power Systems Research during Covid-19 Short Bio

Aleksandra received the B.S., M.S., and Ph.D. degrees in electrical engineering from the School of Electrical Engineering, University of Belgrade, Belgrade, Serbia, in 2012, 2013, and 2017, respectively. Between 2012 and 2018 she has been a Teaching Assistant with the School of Electrical Engineering, University of Belgrade, and an Assistant Professor from 2018 to 2019. In 2019 she worked as a Postdoctoral Researcher at the Department of Electrical Engineering ESAT – ELECTA, KU Leuven and in the Institute EnergyVille, Genk, Belgium. From January 2020, Aleksandra works as an Assistant Professor at TU Delft, Faculty of Electrical Engineering, Mathematics and Computer Science.



Dr. Yan Li

The Pennsylvania
State University

GMT+1 14:55-15:10

Developing Career in Renewable Energy

Short Bio

Yan Li received her Ph.D. degree from Tianjin University, Tianjin, China, in 2013. She also received a second Ph.D. degree from University of Connecticut, Storrs, CT, U.S., in 2019. Both are in Electrical Engineering. She is currently an assistant professor at the School of Electrical Engineering and Computer Science in The Pennsylvania State University, University Park, PA, U.S. Her research interests include cyber-physical power systems, quantum algorithms, data-driven modeling and control, resilience analysis, cybersecurity, software-defined networking, etc. Dr. Li is a Senior Member of IEEE, and a member of IEEE PES, Women in Power, and American Association of University Women. She has won IEEE-PES Outstanding Engineer Award and Connecticut Women of Innovation Award. She has also been interviewed by WTNH News 8, an ABC-affiliated television station, to share her research experiences and model opportunities for the next generation, especially for people from underrepresented groups.



**Dr. Sandra
Venghaus**

Aachen University

GMT+1 15:10-15:25

It's a Matter of Energy – Charge and Discharge between being a 'Successful' Scientist and a 'Good' Mother

Short Bio

Sandra Venghaus is currently assistant professor for decision analysis and socio-economic assessment at RWTH Aachen University in Germany and head of the research group "Ethics, Sustainability, and the Resource Nexus" at the Institute of Energy and Climate Research – Systems Analysis and Technology Evaluation at Forschungszentrum Jülich.

After studying environmental science and public policy at Harvard University, she received her PhD in economics from Leibniz University Hannover, Germany, focusing on complex system innovations, and then worked at the Potsdam Institute for Climate Impact Research as a post-doc. She currently also coordinates the BioSC Competence Platform "Transform2Bio: Integrated Transformation Processes and their Regional Implementations: Structural Change from Fossil Economy to Bioeconomy".

Her research focuses on the quantitative modeling of complex socio-ecological systems, with a special interest in the impacts of political regulation and decision dynamics on social, economic, and ecological parameters.



Dr. Xiaonan Wang

Tsinghua University

GMT+1 15:25-15:40

Girls Can: In Pursuit of Women Power and Energy in Academia

Short Bio

Dr Xiaonan Wang is currently an associate professor in the Department of Chemical Engineering at Tsinghua University, funded by the national overseas talent program. She received her BEng from Tsinghua University in 2011 and PhD from University of California, Davis in 2015. After working as a postdoctoral research associate at Imperial College London, she joined the National University of Singapore (NUS) as an assistant professor since 2017 and later became adjunct associate professor. She is leading a Smart Systems Engineering research group at NUS and Tsinghua of more than 20 team members as PI and also a program lead of the Association of Pacific Rim Universities (APRU). She has published more than 100 peer-reviewed papers, organized and chaired several international conferences, and delivered more than 50 invited talks at conferences and universities on five continents. She is an editorial board member of 10 SCI journals e.g. Applied Energy, ACS ES&T Engineering. She was recognized as an AIChE-SLS Outstanding Young Principal Investigator, Young

Researcher Award for Engineering Sustainable Development, IChemE Global Awards Young Researcher finalist and selected for Royal Society International Exchanges Award, as well several best paper awards at IEEE and Applied Energy conferences and journals.

Discussion

GMT+1 15:40-16:00
