



## Panel discussion for Young Professionals

### Career directions in Power and Energy: *the transition, crossroads, and opportunities*

**When:** Thursday, 03 November 2022 | 5:00PM – 6:00PM (SGT)

**Where:** Melati 4101AB, Sands Expo & Convention Centre, Singapore

*In this panel session, panelists from academia and industry will share their experiences throughout their careers, their crossroads, the critical decisions they made, and the advice they would give to early-stage professionals/researchers to raise awareness of the potential career paths in the power and energy field.*



**Avishek Kumar, PhD**  
CEO & Co-Founder,  
VFlowTech



**Elsa Feng, PhD**  
Assistant Professor,  
SIT



**Luis (Nando) Ochoa, PhD**  
Professor,  
University of Melbourne



**William G. Temple**  
CEO & Co-Founder,  
Ampotech





# Dr Avishek Kumar

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Dr Avishek is working towards developing a vanadium based long-lasting smart energy storage solution. Avishek holds an MS degree in Microelectronics from Technical University of Munich, Germany, and a doctorate degree (PhD) in Electrical and Computer Engineering from the National University of Singapore with a specialization in different solar and energy storage technologies. Avishek has a deep background in manufacturing and detailed domain knowledge of the renewable energy industry. He has consulted several big renewable energy developers and manufacturers across the region with a portfolio of 1 GW solar and energy storage projects. In addition, he is involved in developing several microgrid projects in the south east ASIA and India region.



# Dr Elsa Feng

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Dr Elsa FENG obtained her PhD degree in Electrical and Electronic Engineering from Nanyang Technological University. Her specialization is on energy storage system modelling and control for renewable energy systems and electric vehicles. During her course of PhD study, she was also involved in electric vehicle research with TUM CREATE which is a joint research programme between the Technical University Munich (TUM) of Germany and the Nanyang Technological University of Singapore and funded by Singapore's National Research. She joined the Land Transport Authority of Singapore and worked in the electromobility office from September 2015 to June 2017. Since September 2017, she has been working as an Assistant Professor at the Singapore Institute of Technology. Her research interests include microgrid/multi-energy system operation and planning, data analytics applications in power systems, and data-driven energy storage system modelling, planning and control.



# Prof Luis (Nando) Ochoa

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Luis(Nando) Ochoa is a Professor of Smart Grids and Power Systems at The University of Melbourne, Australia. He is an IEEE PES Distinguished Lecturer, an Editorial Board Member of the IEEE Power and Energy Magazine, and an IEEE Senior Member. His expertise in network integration of distributed energy resources (DER) and smart grids as well as his extensive portfolio of industrial and academic projects have led to 210+ research papers, 80+ technical reports, and two patents. From 2011 to 2021, he was full and part-time with The University of Manchester, UK. From 2007 to 2010 he was a Research Fellow in Energy Systems at the University of Edinburgh, UK. He holds a Bachelor's degree in Mechanical and Electrical Engineering from UNI (Peru), and a Research MSc and a PhD in Electrical Power Engineering, both from UNESP Ilha Solteira (Brazil).



# Mr William Temple

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William Temple is the CEO and Co-Founder of Ampotech, a Singapore-based company developing the internet of things and artificial intelligence solutions for building energy efficiency and facilities management. Ampotech is supported by investors focused on electronics, deep tech, and sustainability and has been recognized as one of the leading energy and climate tech companies in Southeast Asia. Prior to Ampotech, William was the Research Programs Manager at the University of Illinois' Advanced Digital Sciences Center (ADSC) in Singapore, focusing on the smart grid and industrial cybersecurity.