



## SPEAKER



**David Elzinga, Senior Energy Specialist (Climate Change), ADB**

David engages across a range of energy system technologies to support ADB's investments in the energy sector. Previously at the UN Economic Commission for Europe David's focus was on the role of gas and electricity in sustainable energy systems and at the International Energy Agency (IEA) was lead author for Energy Technology Perspectives publication. Over the course of his career David has worked in the energy and climate fields for over 20 years, with focus areas of technology, policy and analysis in both private and public sectors.



**Peerapat Vithayasrichareon, Lead Analyst, IEA (tentative)**

Peerapat leads the IEA analysis on the challenges and best practices in integrating renewable energy into the power system, covering technical, economic and institutional aspects. He has led grid integration analysis in many regions including China, Indonesia, Thailand and ASEAN, to provide recommendations which have direct relevance for formulating policy, market and regulatory frameworks. Prior to the IEA, he worked in an energy consulting firm in Australia, where he took on advisory projects related to power sector planning and renewable integration in ASEAN.



**Jo Ann Rañola, Researcher – Electrical Engineering, NREL**

Jo Ann Rañola is a member of the Grid Systems Group within the Strategic Energy Analysis Center at the National Renewable Energy Laboratory. Her research focuses on grid systems modeling. She brings more than 14 years of combined experience in energy market modeling, financial modeling, and business development across Asia-Pacific countries, including Australia, Philippines, Singapore, and Vietnam.



**Jennifer Leisch, Principal, Two Degrees Group**

Jennifer is a clean energy and climate change expert who works at the intersection of international development and the global energy transition. She spent close to a decade with USAID, leading Greening the Grid efforts focused on the integration of renewable energy into power grids. Prior to working in international development, Dr. Leisch worked in renewable energy technology R&D at the National Renewable Energy Laboratory and Stanford University, focusing on solar photovoltaics and fuel cells. She holds a Ph.D. in Applied Chemistry and Materials Science from the Colorado School of Mines.



**Muhamad Reza, Power System Specialist, Tractebel Indonesia**

Reza has more than 20 years of experience within the technology and business aspects of power and energy systems. After getting his PhD in Electrical Engineering from TU Delft, Netherlands, he spent 10 years working at ABB in Sweden as Scientist, R&D Project Leader, Wind Technology Team Manager at ABB Corporate Research Center and as System Study Group Manager at ABB Power Systems. Since 2016 he is back to Indonesia as Power System Consultant, first with Solvina AB and currently with PT Tractebel. Reza was the power system expert supporting the Indonesian Police Investigation on Blackout in Java on August 4th, 2019. He has authored or co-authored 4 international patents and more than 100 technical publications.



**(Moderator) Graham Pugh, Principal, Propel Clean Energy Partners**

Graham is a Principal at Propel Clean Energy Partners, which manages the Clean Power Hub, a resource that provides free guides and expert advice to support professionals' work on clean power. Graham's work at Propel draws on three decades of diverse experience in the tech sector, international development, public policy, and philanthropy, including leading the U.S. Department of Energy office that coordinated international clean energy and climate change cooperation.