



TEXAS A&M UNIVERSITY

Department of Electrical
& Computer Engineering

Thursday, Feb. 23, 2023 | 3:00 – 4:00 p.m. CST

Wisnabaker Engineering Building 236C

Global Power System Transformation Consortium Research and Collaboration Opportunities

Abstract

The Global Power System Transformation ([G-PST](#)) brings together leading system operators and research institutes to tackling the system operator challenges of getting to very high variable renewable penetrations. In its initial phase of activity, the G-PST has defined a research agenda, developed some nascent research collaborations, expanded its base beyond system operators to include manufacturers among others and established its credential globally. The G-PST is now targeting very large-scale research efforts to accelerate progress. The seminar will give an outline of the G-PST and some details on its expected future trajectory with an emphasis on how colleagues can contribute and participate.

Mark O'Malley

Leverhulme Professor

Mark O'Malley is the Leverhulme Professor of Power Systems at Imperial College London. He is a co-founder of the Global Power System Transformation Consortium and a Hagler Fellow at Texas A&M.

Between 2020 and 2022 he was the Chief Scientist at the Energy Systems Integration Group and between 2018 and 2020 he was the Chief Scientist, Energy Systems Integration at the US National Renewable Energy Laboratory, USA. In 2017 he was the James M. Flaherty Visiting Professor in Electrical Engineering at McGill University.

He is recognized as a world authority on Energy Systems Integration and in grid integration of renewable energy. He works closely and collaboratively with industry and researchers across the globe in a multitude of disciplines, including economics, social scientists, mathematicians, and geologists to address the challenges of transitioning the energy system.

He is a Foreign Member of the US National Academy of Engineering, a member of the Royal Irish Academy, a Fellow of the Institute of Electrical and Electronic Engineers and a foreign fellow of the Chinese Society for Electrical Engineering and has received two Fulbright Fellowships.