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WORKSHOP

ON FORECASTING AND MATHEMATICAL MODELING FOR RENEWABLE ENERGY

A PIMS CRG on Forecasting and Mathematical Modeling for Renewable Energy

JULY 26 - 28, 2023

UNIVERSITY OF BRITISH COLUMBIA (MAIN CAMPUS & ROBSON SQUARE)

Organized by the **PIMS Collaborative Research Group on Forecasting and Mathematical Modeling for Renewable Energy**, this workshop brings together practitioners from mathematics, statistics, computer science, engineering, atmospheric sciences, and economics to showcase a wide spectrum of quantitative research problems to support the design and operation of wind and solar power systems and their integration to the power grid and electricity markets. Presentations cover a broad range of space and time scales, from individual wind turbine scale to provincial scale and from minutes to years.

WORKSHOP SESSIONS (AND PLENARY SPEAKERS):

July 26:
- UBC Main Campus - Forecasting and decision-making for renewables: *Jan Kleissl, Center for Energy Research, UC San Diego*

July 27:
- UBC Main Campus - Modeling electricity markets with renewables: *René Aïd, Department of Economics, Université Paris-Dauphine*
- UBC Robson Square- Special session on climate change with talks by panelists
- UBC Robson Square - FACTS Public Panel Discussion: Tackling Climate Change and the Just Transition to Renewable Energy (Registration required)

July 28:
- UBC Main Campus - Mathematical models of atmosphere, turbulence, and wind farms: *Dennice Gayme, Mechanical Engineering, Johns Hopkins University*

AND FEATURING TALKS BY:

Carsten Abraham, *ECCC*
Larry Berg, *PNNL*
Jethro Browell, *University of Glasgow*
Roxana Dumitrescu, *King's College London*
Michael Ludkovski, *UCSB*
Mike Optis, *Veer*
Roland Stull, *UBC*