

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*

Applications for funding and submissions for talk/poster abstracts are due by May 22 4PM PT | Registration for the workshop is required.
<https://www.pims.math.ca/scientific-event/230726-wfmmreappdccc>

