

2024 DTU PES Summer School

Technical, Economic, and Social Challenges in Power Systems: Optimization and AI Perspectives

May 27 - 31, 2024

SUNDAY	26/05	MONDAY	27/05	TUESDAY	28/05	WEDNESDAY	29/05	THURSDAY	30/05	FRIDAY	31/05
	<p>9am – 9:15am</p> <p>Welcome & registration</p> <p>9:15am – 9:45am</p> <p>Introduction to Summer School <i>(Lesia Mitridati, DTU)</i></p> <p>10am – 11am</p> <p>Keynote: Contract design in electricity markets <i>(David Newbery, University of Cambridge)</i></p> <p>11am – 12pm</p> <p>Decarbonisation challenges in the South American context <i>(Rodrigo Moreno, University of Chile)</i></p> <p>12pm – 1:30pm</p> <p>Lunch break <i>Building 329A</i></p> <p>1:30pm – 2:30pm</p> <p>Navigating the Energy Transition: Challenges and Opportunities in Australia's Renewable-Dominated Landscape <i>(Pierluigi Mancarella, UniMelb)</i></p> <p>2:30pm – 5:30pm</p> <p>Poster session</p> <p>6pm – 8pm</p> <p>Welcome reception <i>Green Island CPH, Kalcebod Brygge, Copenhagen</i></p>	<p>9am – 12pm</p> <p>Topology optimization for system resilience and restoration: On modelling choices for power flow, wildfire risk, DERs and more <i>(Line Roald, UW-Madison)</i></p> <p>12pm – 1:30pm</p> <p>Lunch break <i>Building 329A</i></p> <p>1:30pm-2pm</p> <p>Best poster presentation 1</p> <p>2pm – 5pm</p> <p>Data-driven learning algorithms and smart grid applications <i>(Mahnoosh Alizadeh, UC Santa Barbara)</i></p>	<p>8:50am – 9:45am</p> <p>Bus to Riso <i>Pickup: DGI Byen, Ingerslevsgade, Copenhagen</i></p> <p>10am – 1pm</p> <p>Social concerns and values in the energy transition <i>(Julia Kirch Kirkegaard, DTU)</i></p> <p>1pm – 2:30pm</p> <p>BBQ Lunch break <i>Riso Campus - Building 330</i></p> <p>2:30pm – 4:00pm</p> <p>Lab visits</p> <p>4:30pm – 5:30pm</p> <p>Bus to Social activity</p> <p>6pm – 8pm</p> <p>Social activity <i>GoBoat, Islands Brygge, Copenhagen</i></p>	<p>9am – 12pm</p> <p>Quantum computing and PowerModels for optimization of power systems <i>(Carleton Coffrin, Los Alamos National Lab)</i></p> <p>12pm – 1:30pm</p> <p>Lunch break <i>Building 329A</i></p> <p>1:30pm – 2pm</p> <p>Best poster presentation 2</p> <p>2pm – 3:30pm</p> <p>Trustworthy AI for power systems <i>(Spyros Chatzivasileiadis, DTU)</i></p> <p>3:30pm – 5pm</p> <p>Flexibility Markets <i>(Jalal Kazempour, DTU)</i></p>	<p>9am – 12pm</p> <p>Complementarity modelling in power systems <i>(Lesia Mitridati, DTU)</i></p> <p>12pm – 1pm</p> <p>Summary of summer school <i>(Jalal Kazempour, DTU)</i></p> <p>1pm – 2pm</p> <p>Lunch break <i>Building 329A</i></p> <p>2pm – 4pm</p> <p>Friday bar <i>Building 325</i></p>						

