DTU PES Summer School 2026

May 17 (Sunday) – May 22 (Friday)

Le réseau de transport d'électricité

Danish Data Science Academy

	Monday DTU Lyngby, B306, Aud. 33	Tuesday DTU Lyngby, B306, Aud. 33	Wednesday DTU Risø, B112, Aud. Niels Bohr	Thursday DTU Lyngby, B306, Aud. 33	Friday DTU Lyngby, B306, Aud. 33
8 :00			**Transport** *Bus from Copenhagen Bus Terminal to DTU Risø Campus*		
8 :30					
9 :00	**Introduction**	**Excellence Scholarship Presentations**		**Best Poster Presentation I**	**Best Poster Presentation II**
9 :30	**Keynote** *Towards Interpretable Models and Human-AI Integration in Energy Systems* **Ricardo Bessa**	**Lecture** *Power System Stability with High Shares of Grid-forming and Grid-following Inverters (1/2)* **Sijia Geng**	**Coffee break**	**Lecture** *Cracking the Complexity Barrier : Towards Exact Data Aggregation for High-Performance Energy System Models (1/2)* **Sonja Wogrin**	**Lecture** *Cyber-Physical Security in Energy Systems (1/2)* **Henrik Sandberg**
10 :00			**Lecture** *Market Design and Risk Allocation for Renewables : Contracts-for-Difference and Beyond (1/2)* **Lena Kitzing**		
10 :30					
11 :00	**Coffee break**	**Coffee break**		**Coffee break**	**Coffee break**
11 :30	**Industry Keynote** *A Balancing Philosophy Fit for 100% Renewables ?* **Thomas Dalgas**	**Lecture** *Power System Stability with High Shares of Grid-forming and Grid-following Inverters (2/2)* **Sijia Geng**	**Coffee break**	**Lecture** *Cracking the Complexity Barrier : Towards Exact Data Aggregation for High-Performance Energy System Models (2/2)* **Sonja Wogrin**	**Lecture** *Cyber-Physical Security in Energy Systems (2/2)* **Henrick Sandberg**
12 :00			**Lecture** *Market Design and Risk Allocation for Renewables : Contracts-for-Difference and Beyond (2/2)* **Lena Kitzing**		
12 :30					
13 :00	**Lunch**	**Lunch**		**Lunch**	**Lunch**
13 :30			**Lunch**		
14 :00	**Keynote** *Integrated AI-based Climate Modeling and Stochastic Optimization to Design and Operate Economic, Flexible and Resilient Large-scale Energy Systems* **Luiz Barroso**	**Lecture** *Rethinking Power System Dynamics with Machine Learning* **J. Vorwerk**		**Lecture** *Online Learning in Games of Competition (1/2)* **Martin Bichler**	**Conclusion**
14 :30		**Coffee break**			
15 :00	**Coffee break**	**Lecture** *Can Machine Learning Help Secure Power Systems ? (1/2)* **Panagiotis Papadopoulos**	**Lab Visits** *DTU Risø Campus - Syslab and Hybrid Power Plant*	**Coffee break**	**Friday Bar**
15 :30	**Poster Session**			**Lecture** *Online Learning in Games of Competition (2/2)* **Martin Bichler**	
16 :00		**Coffee break**			
16 :30	**Coffee break**	**Lecture** *Can Machine Learning Help Secure Power Systems ? (2/2)* **Panagiotis Papadopoulos**	**Transport** *Bus from DTU Risø Campus to the Social Event* *Tivoli Gardens* *Anarkist Bar*	**Coffee break**	
17 :00	**Poster Session**			**Lecture** *Learning and Market Design for Prosumers in Energy Communities* **L. Mitridati & J. Kazempour**	
17 :30					

Note : A welcome reception will take place on Sunday, 17 May, from 17 :00 to 19 :30 at Nærvær, in central Copenhagen.