AMLD EPFL

Applied Machine Learning Days

AI & Sustainable Energy

Track · March 29, 2022

In-person event · STCC, Lausanne, Switzerland

HSLU Hochschule Luzern

Schedule (1/2)

Time	Speaker	Title
13.30	Emanuele Fabbiani	Introduction to the track
13.35	Rafał Weron	Recent advances in electricity price forecasting: A 2022 perspective
14.00	Nina Kharlamova	How can AI (and ML) make utility-scale batteries more cybersecure
14.20	Emanuele Ogliari	Photovoltaic power generation nowcasting: cloud type classification forecast through satellite data and imagery
14.35	Georgios Mitrentsis	An interpretable probabilistic model for short-term solar power forecasting using natural gradient boosting
14.50	Jelena Simeunović	Spatio-temporal graph neural networks for multi-site PV power forecasting
15.05	Fabbiani, Ogliari, Mitrentsis, Simeunovic	PV Forecasting: Q&A and discussion

HSLU Hochschule Luzern

Schedule (2/2)

Time	Speaker	Title
15.30	Josef Kamleitner	Advanced cable & asset analytics
15.50	Max Carrel	ML as a foundation for pay-as-you-save models for buildings' energy efficiency
16.00	Pierre Segonne	How we built a global electricity data platform for real-time grid emissions and forecasting
16.10	Fabbiani, Carrel, Segonne	AI & Sustainable energy in startups
16.20	Guido Cavraro [*remote*]	Real-Time Distribution System State Estimation with Asynchronous Measurements
16.40	Alice Guerini	The Advanced Analytics development and dissamination in an Italian Life Company
17.00	Mihir Sarkar	Powering the Energy Transition with Data and AI
17.25	Emanuele Fabbiani	Concluding remarks

HSLU Hochschule Luzern

11

Speakers

8

Countries

11

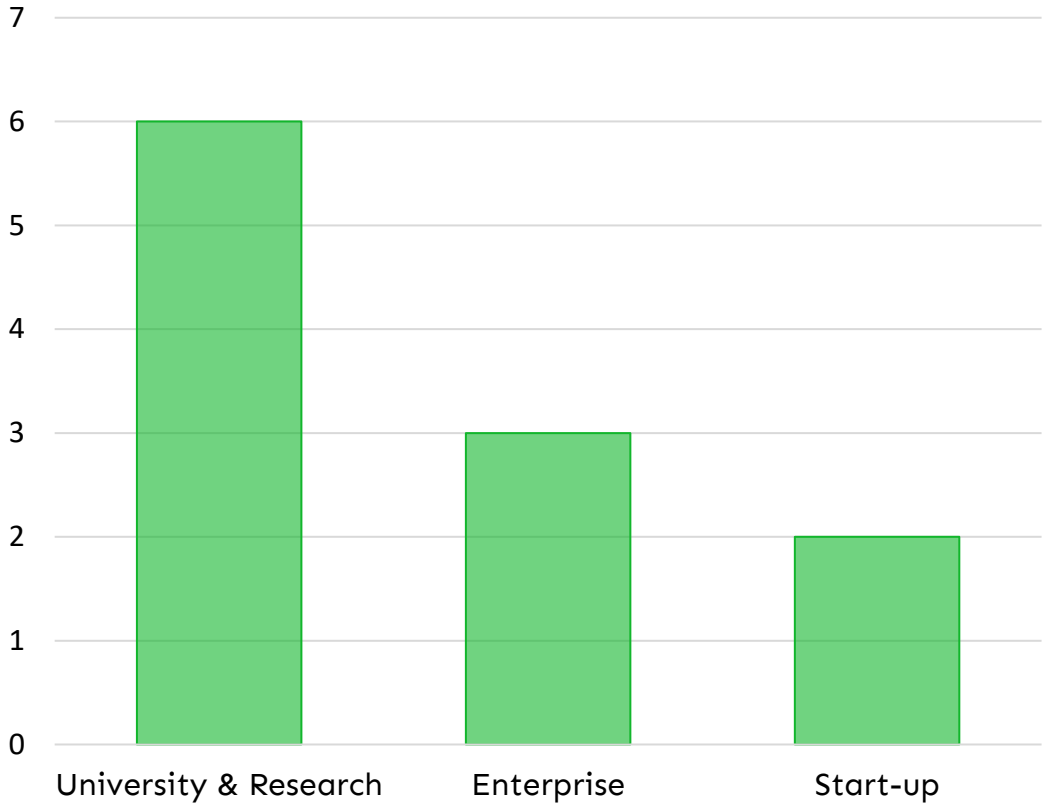
Organizations

1

Remote contributor

HSLU Hochschule Luzern

Speaker organization



a2a

Wrocław University of Science and Technology

Universität Stuttgart

DTU Denmark Technical University

csem

POLITECNICO MILANO 1863

NREL National Renewable Energy Laboratory

E-NNO

SIEMENS

ENGIE

Track Organizers

Lucerne University of
Applied Sciences and Arts

HOCHSCHULE
LUZERN

xtream