

Posters

Johanna Adams	Modelling Energy Storage Bidding Using Reinforcement Learning
Tom Bender	Shapes of Hydro Cavern Energy Storage Systems
Carsten Büchner Sophie Schmeißner	Verlustfreie Überbrückung von Kurzzeitschwankungen in Energieerzeugung und Verbrauch - Gigantisch große Hydrokavernenspeicher in Braunkohleabbaustätten
Johannes Döhn	Computational Screening of Oxide Perovskites as Insertion-Type Cathode Materials
Carlos Frajuca	Investigation of Geometries and Stability for Increasing the Energy Density in Electromechanical Battery Flywheels: New Geometry Proposal
Lisanne Gossel	Bridging Large Scale Gaps in a Metal-Fueled Energy Circular Economy
Xaver Herrmann	Characterization of the Cooling Power and Energy Efficiency on a Two Stage 4 K Pulse Tube Cooler Operated with Solenoid Valves
Kay Jahnke	Logistics of Hydrogen – A Challenge from Regulatory and Practical Considerations
Michael Kahnt	A Series of Lectures for Pupils on the Possible Yield of Renewable Energies in Germany
Christoph Kiener	Environmental Benign Process Intensification: Additive Manufacturing for Process Applications

Posters

Philipp Jonathan Kompa/ Nais Monjuvent	Transitioning the Schneebergerhof-farm to Climate Neutrality with the Use of Renewable Energies
Anna Kornushchenko	Formation of Porous Metals with Nano- and Microsized Structural Elements Under Near-equilibrium Condensation Conditions
Chen Li	Optimal Power Flow in Highly Renewable Power System Based on Attention Neural Networks
William Nash	Experimental Development of an All-liquid Na-Zn Cell for Grid-scale Energy Storage
Martin Pabst	Probability Aspects of the Measures Towards the 1,5-Degree-Limit
Matthias A. Popp	A Semantic Knowledge Platform for the Energy Value Chain
Philipp Rentschler	Transient Operation of Power-to-X Plants Connected to Intermittent Renewable Power Sources in Isolated Networks
Fritz Richarts	Wind and Solar Power - Biomass - Hydrogen - CO₂ - Methanol
Joachim Schwister	Projekt: Speicherstadt Kerpen
BiancaBin Su	How to Achieve the Balance of the Climate Friendly and Retaining Prosperity