

4th Generation District Heating concepts, future district heating production and systems

Agnes Engelter: Enabling the flexible transition from 3rd to 4th generation district heating using dual pipe transmission lines

Alireza Etemad: Machine learning surrogate modelling for hydronic balancing in buildings connected to Thermal Source Networks

Anna Cadenbach: Advancing 4GDH: Integrated Simulation and Experimental Evaluation of Six Transformation Pathways

Arash Farnam: A Hierarchical Control Framework for District Heating Networks with BTES Using Dynamic Programming and MPC

Arjuna Nebel: Analysing Temporal Heat Demand Effects of Building Retrofitting on Energy Systems: Endogenous Modeling of Germany's Building Sector in PyPSA-Eur

Arthur Lefebvre: Must-haves beyond linear heat density for cost-effective fourth-generation district heating systems

Carolyn Ayasse: Open-Source Data Processing Pipeline for Modeling Spatially Resolved Urban Heat Sector Decarbonization Paths

Charlie Dawson: Decarbonising a hot water system in a 19th century City Hall building with UK listed building status to enable a district heating network connection

Christopher Fielding: Bridging the Performance Gap: Applying Co-Heating Analysis to Retrofit Design

Daniele Anania: Including operational constraints in modelling of district heating decarbonization scenarios

Dmitry Romanov: Cost-effectiveness of coaxial medium-deep borehole thermal energy storages for various waste heat sources and district heating temperatures

Elisa Guelpa: Insights into renewable energy integration in an existing district heating system

Fabian Feuchter: Characteristics and Yield Potential of Vertical Bifacial Agri-Solar Thermal Systems for Dual Land Use and District Heating in Europe

Felix Mergenhagen: Large-Scale Heat Pumps for the Decarbonisation of District Heating: A case study in the German region of Lüneburg

Femke Janssen: Efficiently combining a seasonal heat storage, heat pump and electricity dynamics for a more sustainable HT-DHN

Helena Gailan: Integrating medium-deep geothermal energy system into district heating in Estonia: experience from pilot stations towards to smart systems

Helge Averfalk: Ranagård: Novel low-temperature heat distribution technology evaluation

Henrik Lund Frandsen: Robust and cost effective seasonal storage solutions for the energy system

Hrvoje Dorotić: Techno-economic and environmental assessment of underground seasonal thermal energy storage integration in the Zagreb district heating network

Jake Adamson: Retrofitting heating and hot water measures in a 1970s UK operational courts building to enable connection to a low carbon district heating network

Jan Eric Thorsen: Economic case of building level cascaded substation concepts

Jerik Catal: Decarbonizing Existing Districts – what are the options for Anergy Networks

Johannes Pelda: Model-based dimensioning of a heat pump and a thermal storage in a CHP-based district heating system and their heat generation pathways towards 2040

Kai Droste: Simulative Investigation of an Optimized Shallow Geothermal Borehole Layout in a 4th-Generation District Heating Network

Leopold Riedl: Spatial Representation of District Heating: Granularity Levels and Aggregation Methods for Energy System Modeling

Mads Sylvest Eegholm: Deep geothermal energy to efficiently deliver heat to district heating

Md Asiful Islam: Techno-economic evaluation of power-to-heat integration for a 30% renewable share in an existing fossil-based German district heating system

Mohammad-Reza Kolahi: How Decentralization Cuts Emissions in District Thermal Networks

Mohd Basit Wani: Impact of Integrating Local Renewable Heat Sources with District Heating in Non-Residential Sector: A Case Study in Tallinn, Estonia

Natalia Kozłowska: Integration of a Geothermal Ground Temperature Response in Thermal Network Optimization

Natalie Peracha: Techno-economic assessment of seasonal thermal energy storage in low-exergy district heating networks

Niklas Denter: Electricity-Driven or Heat-Driven? A Comparative Techno-Economic Analysis of Renewable Sector-Coupled District Heating Systems in Germany

Nikolaus Diez: A multi-period optimization approach for renovation pathways in building portfolios under data scarcity and uncertainty

Nirav Patel: Multi-Year Optimization of District Heating Systems with High-Temperature Borehole Thermal Energy Storage

Paweł Wojnarowski: Urban geothermal energy as a component of smart energy systems: multi-use subsurface solutions for local heat decarbonization

Rahul Mohandasan Karuvingal: Simulative Analysis and KPI-Based Selection of Rule-Based Control Strategies in 4th Generation District Heating Substations

Robert Puknat: Heat Pumps vs. Direct Electric Heating: Impact of PV Direct Marketing on the Techno-Economics of Low-Energy Homes

Ruta Vanaga: Adaptive Thermal Coupling Control Layer in PCM–Aerogel Building Façades for Enhanced Energy Performance

Sajedeh Roustaei: A Multi-Criteria Framework for Comparing District Heating Configurations in Shallow Geothermal 5GDHC Systems

Stefan Retschitzegger / Urban Persson: Integration of deep geothermal heat in the district heating system of Lviv

Tripti Singh Rajput: TIMES-Based Evaluation of Seasonal Thermal Energy Storage in District Heating System

Uffe Schleiss: Hydronic Balancing Revisited: How Decentralised Pumping Unlocks ΔT in Legacy Networks

Valerie Fehst: Zone-Level Leak Detection in District Heating Networks Using Multi-Scale Return-Flow Regime Learning

Vittorio Verda: Integration of heat pumps and short/long term thermal storage units for the transition of district heating networks

Wen Liu: A global survey of techno-economic potential of sustainable district heating

CCUS and PtX technologies and the production and use of electrofuels in future energy systems

Alisson Julio: Municipal System-Level Assessment of CO₂ Availability for eSAF production under Smart Energy Constraints

Christian Breyer: Power-to-X implementation in energy system modelling: Status and outlook

Fabio Sala: Role of Hydrogen and CCUS in the Italian Power System by 2050: Scenario Results and Implications for Flexibility and Security

Helena Thougard Jensen: Integrating CCUS into Municipal-level Energy System Analysis for a Carbon Neutral Society

Mawaheb Mouftahi: Managing Excess Renewable Electricity in Integrated Energy Systems: A Comparative Analysis of Demand Flexibility, Storage, and PtX

Shiyan Chang: Key uncertainties influencing the regional layout of CCS and BECCS

Thibaut Wissocq: Quantifying the Flexibility Potential of District Heating Networks for France's 2035 Electrical Grid

Energy efficiency in the electricity sector, buildings, transport and industry

Amela Ajanovic: Energy Efficiency as a Key Enabler of Cost-Effective Transport Electrification

Avril Bullock: Installation to Operation: Quality Assurance of Dwelling Heat Pumps on Ambient Loop Networks

Daniel Muschick: Practical Aspects of Predictive Control of Electric Vehicle Charging Parks as Flexibility Providers

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Jenni Leinonen: Economics and CO2 Emission reductions of Electrifying Industrial Steam Production in Volatile Electricity Markets

Jiahe Chu: Design and Evaluation of a Sector-Coupled Energy Management System for Supermarkets as Flexible EV Charging Hubs

Jonas Gölz: An Integrated Modeling Approach for Transformation Measures in Industrial Energy Systems

Kenneth Hoffmann: Affordable and Decarbonized District Heating with Heat Pumps

Marie Münster: Assessing planetary boundaries of a future Danish energy system

Martin Grasenack: An integrated agent-based modelling framework for increasingly electrified industrial sites

Michael Frank: From Robust to Antifragile Industrial Energy System Planning: Comparative Assessment of Optimization Approaches under Uncertainty

Oddgeir Gudmundsson: Case analysis: Energy efficiency of building level versus flat level ventilation-based heat supply systems for low-energy buildings

Pier Paolo Brancaleoni: Evaluating the Flexibility Potential of High Temperature Heat Pumps for Defossilized District Heating

Rachel Parziale: Monitoring Heat Pumps in 4 Residential Climate Districts in Germany

Simon Müller: Economic feasibility of waste heat integration from high-power charging stations for electric trucks in district heating networks

Urban Žvar Baškovič: Prosumer Activation in Sector-Coupled Energy Systems: Heavy-duty EV Charging as a System Flexibility Challenge for a multi-sector prosumer

Xin Bin: Energy Optimization of Heat Exchanger Network under Fouling and Cleaning Constraints in Multiproduct Liquid Food Process

Electrification and sector coupling of transport, heating and industry

Anders N. Andersen: Adding hydrogen storage radically changes design of e-Methanol plants

Anton Achhammer: Integrating Geothermal Potential and Hydrogen Imports in PyPSA-Earth: A Case Study of Japan's Energy Transition

Benjamin Freischlad: Exploring price-based demand response based on variable emission factors of electricity in sector-coupled energy systems

Buster Bukart Hansen: A Bi-Level Sector Coupling Framework for Multi-Actor Energy Systems: Integrating Techno-Economic Optimisation and Cooperative Game Theory

Daniel Zinsmeister: Data-Driven City-Scale Archetypes for Munich's Residential and Non-Residential Building Stock

Heidi Kirppu: Electrified District Heating as a System Balancing Resource in Nordic Power Systems: Modelled Outlooks and Observed Realities in Finland

Ilona Malmipuro: Electricity market impacts of renewable hydrogen production and implications on the profitability of flexible generation in Finland in 2030

Mathias Berg Rosendal: Prioritising Flexibility Options in Future Energy Systems

Mohammad Hossein Fouladfar: Valuing Hydrogen Waste Heat in District Heating

Natasa Markovska: From Demonstration to Replication: Scaling Heat Pump Deployment in Existing Buildings through Install.res

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Thor Alexis Sazon: Energy system implications of planned hydrogen production in Norway

Yuanda Huang: Identifying China's 2060 Green Heating Pathway: Integrating Coupled Power-Heat System Optimization with Multi-Criteria Decision-Making

Geographical information systems (GIS) and mapping of demands and resources

Abdulraheem Salaymeh: Multidimensional Evaluation of Heat Source–Demand Matching and Techno-Economic Trade-Offs in Heat Transition Pathways

Els van der Roest: Does it fit? The spatial impact of different sustainable heating strategies

Franz Mauthner: CoSpatial Heat: A GIS-based framework for integrated heat planning and gas grid decommissioning

Ingela Becker-Grupe: Systematic GIS-based analysis for integration of multiple low-temperature waste heat sources into an existing district heating network

Nicola Tait: Spatial techno-economic modelling of heat decarbonisation solutions for urban energy communities to utilise local heat resources

Patrick Weißeler: F|Heat.connect - Scalable and Modular Approaches for Digital Heat Network Planning Using Geospatial Optimization

Ulrich Ganslmeier: Noise-Aware GIS Mapping of Air-to-Air Heat Pumps: Potential for Replacement of Individual Gas Floor Heating in Munich

Institutional and organisational change, energy communities and positive energy districts

Ann-Kathrin Rathmann: Economic Potential of Energy Sharing for SMEs in German Commercial Areas – An oemof Optimization Approach

Christian Bjerrum Jørgensen: Skills Development for the Future of District Heating and Cooling. A Key Enabler for the Green Energy Transition

Cosima Amanda Wörle: Towards Standardised Documentation of Experimental Research in District Heating and Cooling

Hironao Matsubara: Overcoming VRE Curtailment and Fostering Community Power: A Comparative Analysis of Smart Energy Systems in Japan's Decarbonization Leading Areas

John Kapetanakis: Aligning skill development in higher education with workforce needs in the district heating and cooling sector: Insights from a European survey

Jonathan Hachez: Strategic Uncertainty Modeling for Citizen Energy Communities: A Gaussian KDE Approach to Revenue Planning and Negotiation Support

Lisa Hjerrild: From Rights to Responsibilities: Citizens in the 2026 EU Energy Package

Luciano De Tommasi: Procurement of Energy Performance Contracting at Irish Universities—Template for Standardising Energy/Cost Savings Calculations for Proposed Projects

Marko Keber: Strengthening Smart Energy Systems Through Flexibility Mechanisms: Comparative Insights from Southern European Case Studies

Matteo Pozzi: The DHC Academy Alliance: Scaling the Value Chain through a Permanent Education & Training Marketplace

Mirko Morini: Impact of incentive allocation in optimal design of Renewable Energy Communities

Per Alex Sørensen: Skills4DHC. Qualification and recruitment of professionals for the district heating and cooling sector

Planning and organisational challenges for smart energy systems and energy efficiency

Alessandro Capretti: A district heating decarbonisation plan: behind and beyond the scenes

Alexander Meisinger: Bridging the green hydrogen gap: From carbon revenues to Power-to-X markets in Europe

Bennet Köppchen: Comparing Germany's Pathways to a Decarbonised Heat Supply: A Meta-Analysis of Transition Scenarios for the Heating Sector in the Future Energy System

Brian Vad Mathiesen: Designing the EU27 heat market for 2050: 55% district heating enabled by Energy Efficiency 2.0

Caroline Stiel: Green Heat, Higher Prices? The Price Effects of Decarbonizing District Heating in Germany

Dagnija Blumberga: Costs of Energy Measures Delays

Daniel Møller Sneum: Customers accepting extended connection times, while keeping inflation and costs down – a district heating customer business model that does it all?

Erik Schlahn: Financing and cooperation models for utilities in integrated energy systems – a European taxonomy

Florian Labaude: Integrate local energy systems in regional strategies – Exploring the multilevel dimension in the case of the Eurometropolis of Strasbourg, France.

Frederike Kuperjans: "Planning better when knowing less" - Optimizing Adaptive Transition Pathways for Distributed Multi-Energy Systems Under Deep Uncertainty

Giulia Spirito: Supporting compliance with the Energy Efficiency Directive: a strategic planning tool for District Heating systems.

Ingo Leusbrock: Quality management of district heating and cooling DHC systems - A prerequisite for sustainability, affordability and transparency

Jonathan Vogl: BehaviorGPT: Generating Household Activity and Mobility Schedules for Residential Energy Demand Modeling

Kristina Lygnerud: Characteristics of low temperature district heating business models

Marie-Emilie Ingen Housz: A data driven approach to a realistic urban heat transition in Rotterdam

Miguel Chang: Looking within and beyond energy system modelling - A survey on perceived model biases, model coupling, and integrating non-energy perspectives

Morten Jordt Duedahl: The road to 100% renewables: Why practical detours and incremental change can outperform perfect but limited solutions

Nermina Abdurahmanovic: Modelling and simulation of user behaviour and gamification effects on heat pump flexibility in multifamily buildings

Osamu Kunitomo: A Study on Technology Generations the District Heating and Cooling in Japan - The Necessity for a Definition of Technology Generations in Japan -

Søren Djørup: Economic impacts of thermal energy storage at the national level

Yijie Su: Modeling the Diffusion of Residential Demand-side Management Technologies with Building Performance and Heterogeneous Consumer Preferences

Aadit Malla: Planning cooling adoption: From cost-optimal pathways to real-world barriers

Renewable energy sources and waste heat sources including PtX for district heating

Armin Ardehali: Competing for electrons or molecules? Infrastructure planning in an eco-industrial cluster

Benedetto Nastasi: Switching to Renewable Fuels in District Cooling for Buildings and Data Centers

Joel Bertilsson: From Power Demand to Heat Supply: Optimizing Data Center Placement in the Nordics

Luis Enrique Ruiz Perdomo: Hybrid Modelling of Data Center Energy Consumption and Waste Heat as a Basis for Integration into Smart Energy Systems

Sabine Mönch: Waste Heat Integration in Low-Temperature Urban District Heating: An Energy System Modelling Case Study on Heating and Cooling Interactions

Sam Roozbehani: Integrated Planning and Control of Eco Industrial Clusters for Frequency Service Provision

Smart energy systems tools and methodologies

Ali Mohammad Nia: Sustainable Sector Integration and Multi-Objective Optimization of Heat Symbiosis by Real-Time Digital Twin Technology

Ali Soleimani: Towards trust in smart hybrid HVAC control systems from stakeholders' perspective

Andra Blumberga: Designing climate neutrality policies for the energy sector: insights from a system dynamics model

August Brækken: The role of building heating conversion in regional energy system transitions

Ben Spoek: Stochastic Consumer-Level MPC for Reliable Operation of District Heating Networks with Transport Delays

Bram van der Heijde: Developing and Testing Supervisory Control for District Heating and Cooling with Virtual Demonstrators

Christian Holm Christiansen: Semantic modelling of DHC substations: lessons from a multi-ontology exercise within IEA DHC Annex TS9

Dietrich Schmidt: Realizing autocommissioning and optimizing substation operations through machine learning

Enrico Ghidoni: Techno-economic and hydraulic feasibility evaluation of energy saving strategies for reduced circulation heat losses in domestic hot water systems

Felix Hallett: Re-evaluating Cooling Demand Diversity to Optimise Residential CHW Network Design

Felix Till Schattmann: Accelerating Building Energy Simulations with Neural Network Surrogate Models

Fiona Feurstein: Assessing Steady-State and Transient Methods for Thermal Simulation of District Heating Networks

François Lédée: Experimental comparison of smart controllers on a small district heating network

Henrique Monteiro: Three Dimensional Periodic CFD Analysis of Transient Heat Transfer in CORE Type Transformer Disc Windings

Hesham Ali: Using a marine digital twin to identify promising seawater heat pump applications in Baltic Sea district energy systems

Hossein Alimohammadi: Thermodynamic Optimization of Heat Source Placement in District Heating Networks for Reduced Mixing Losses

Igor Krupenski: Motivation Tariffs in District Heating: Assessing Efficiency Gains in an Urban Network in Estonia

Jakob Fuchsberger: A Framework for Cooperative, Optimization-based Control of Coupled Energy Systems

Jan Westphal: A control strategy for reducing heat losses in summer operation of a district heating network

Jasper Müller: Development of Operational Strategies for a Hybrid 4GDH Network using Dynamic Thermo-Hydraulic Simulation

Jelena Ziemele: Wastewater Heat Utilization in Riga: Challenges and Opportunities

Jorrit Heylen: How to Design Heating Networks? A Benchmark of Optimal Pipe Sizing and Design Guidelines, and Exploring the Potential of Peak Temperature Boosting.

Juan Rodriguez Santiago: Optimal Design and Control of Heat Pump Systems under Dynamic Energy Conditions in European Residential Buildings

Julian Plautz: Methodology for allocating network losses to consumers, applied at the Göttingen North Campus

Kadri Männasoo: Evaluating the Introduction of a Two-Part District Heating Tariff: Evidence from a Small Network in Estonia

Laura Block: Semi-Automated Fault Detection in District Heating Substations Using Machine Learning

Lukas Kranzl: Modeling market adoption of building-side measures for district heating temperature reduction: the role of subsidies and motivational tariffs

Maria Pedrosa: Decision-Support Tool for Waste Heat Recovery from Power Transformers for Grid and Heat Decarbonization

Matteo Giacomo Prina: How Climate Change Reshapes the Alpine optimal Energy Mix?

Mazarine Roquet: Use of digital twins to help the design of thermal networks: a case study application

Michel Speetjens: Capturing 3D unsteady heat transfer in variable-flow variable-temperature district-heating pipeline networks by a compact pipe model

Milad Mohammadyari: On the Convergence of ADMM-Based Distributed Optimization for Nonconvex Demand Response in District Heating Systems

Moritz Zuschlag: Analysis of the flexibility potential of monoenergetic and hybrid energy hubs for third- and fourth-generation district heating

Morten Karstoft Rasmussen: From Smart Meter Data to Action: Software-Defined Alarms for District Heating Optimization

Maarten Blommaert: Hybrid Electric Heater Substations for Cost-Effective, Low-Temperature District Heating Networks: A Physics-Based Optimization Approach

Nicholas Tedjosantoso: Towards Scalable District Heating Network Simulation: A Tensor-Based Multilinear Approach

Nicolas Oliver Marx: Flexible Biochar Production at Small-Scale Biomass-Based District Heating Plants: A GIS-Based Techno-Economic Feasibility Assessment

Nyasha Grecu: What is the optimal solution? Methods for considering uncertainty in district heating decarbonization

Paula Oberfeier: Time Series Aggregation Methods for Municipal Energy System Modeling: Application to District Heating Systems with Renewable Heat Sources

Plamen Bogdanov: Improving substation operation for fifth generation district heating and cooling networks: MPC development and evaluation in dynamic simulation

Ralf-Roman Schmidt: From Data to Value: Quantifying the Economic Benefits of Digitalisation and the Role of Data Spaces in District Heating Networks

Santiago Valencia-Cañola: Physical and thermo-economic feasibility of a variable-geometry ejector refrigeration system

Shihua Luo: Multi-Scenario Optimization of China's Power Sector Toward 2060 Under Renewable Cost Uncertainty via Ensemble Surrogate Modeling and Active Learning

Siddharth Sasidharan: Control-Oriented Modelling for Flexible Low-Temperature District Heating and Cooling Networks

Svenja Joseph: Virtualization of digital substations: A comparative analysis of three implementation strategies and field test validation

Tanel Kirs: Measuring District Heating Network Effect on District Cooling Network Losses in an Urban Environment

Valentin Kaisermayer: Harnessing Building Energy Flexibility with Model Predictive Control

Smart energy components, infrastructures and storage options

Adrien Vautrin: Reduce-Order Model of a Cavern Thermal Energy Storage based on Semi-Analytical Approach

Anas Algareï: A TESPpy-Based District Cooling Modeling Tool for Energy Flexibility Characterization in Sector-Coupled Energy Systems

Antonia Queitsch: Market Behavior of Thermal Energy Storage Power Plants in an Agent-Based Electricity Market Model

Chia-Ling Yang: Automatic Frequency Restoration Reserve Provision from District Heating Systems with Large-Scale Heat Pumps: A Feasibility Assessment

Dominik Gryboś: Real-Time Optimization of the Discharge Process Control Strategy in Micro-CAES Systems for Adaptive Power Flexibility in Micro/Nano-Grids

Evi Monique Kasper: Measurement-Based Load Disaggregation for State Reconstruction in Medium-Voltage Grids with Limited Observability

Ilia Skorniakov: Industrial behind-the-meter battery storage profitability under future price volatility: 2030 Nordic-Baltic analysis

Jacek Leszczyński: Multiscale CAES technologies – an overview

Jan Markowski: Energy Efficiency Analysis of a Multi-Piston Expander for smart Micro-CAES System.

Johan Dalgren: The impact on DHS due to temperature losses in decentralized Thermal Energy Storage and how to reduce peak production at discharge

Johanna Roth: An exergetic comparison of distinct Carnot Battery concepts for industrial applications

Melisa Gounesher: Reduced-Order Modelling of Molten Salt Thermal Energy Storage for Energy System Optimization

Paula Ferreira: Estimating the Temperature Elasticity of Electricity Demand

Reinhard Haas: On future market prospects of electricity storage

Stefan Bordihn: Interpretable neural network prediction of electricity demand in a single-family home system with heat pump, photovoltaic and battery storage

Sylvia Wüst: Assessing the Impact of Dynamic Operating Envelopes on Future Low-Voltage Grids

Smart energy systems analysis

Alessandro Mati: Advancing climate resilience of energy systems through increased spatial resolution

Andrea Mackenzie: Innovative Load Testing Methodologies to ensure Efficient Operation of Energy Centres in Complex Developments

Bernd Möller: Biogas infrastructure network analysis for methanation in Schleswig-Holstein

Bianca Helbach: Component Model Selection to Balance Complexity and Accuracy for Operational Optimization of Multi-Energy Systems

Diamantis Almpantis: Sector-Coupled Green Hydrogen Microgrid Optimization: Deep Reinforcement Learning vs. MILP under Forecast Uncertainty

Dmytro Zhuk: Resilient Power Systems under Uncertain Conditions: Distributed Generation and Smart Microgrids in Ukraine

Jihong Hang: Framework for Multi-Energy System Design Integrating Security, Resilience, and Greenness: A Regional Case Study in China

Jinze Li: Renewable-Based Hybrid Energy System Enabling Electrification and Joint Decarbonization of the Oil and Gas and Petrochemical Sectors

Laura Deniz-Diaz: Climate change impacts on biomass availability and energy system transitions in Ghana: a Smart Energy Systems modelling approach

Philip Brandt: Comparison of the Power Outage Resilience of District Heating and Heat Pumps in a Residential District

Thomas Elliot: The hidden environmental and systemic trade-offs of Power-to-Gas

Special session on Fault Detection and Diagnosis in DH systems – applications from the OptiHeat+ project

Hoda Kamali / Ivan Verhaert: Classifying Operational Faults in CHP-Integrated Collective Heating Systems: A Multi-Site Analysis

Jad Al Koussa: Optiheat+ - A research project on fault detection and diagnosis in district heating

Nicola Frizziero: Characterization of air-related fault signatures in water-based radiator systems for low temperature operations

Rob Knoops: Fault Detection and Diagnosis in District Heating Substations: Lessons from Deploying Deep Learning

Senne Van Minnebruggen: Systematic Fault Characterization in District and Building Heating Systems: Methodology and Challenges

Stefanie Fonken: Fault detection and prioritization of substations in a residential district heating network - A demonstration case

Special session on Nordic Hydrogen Hubs

Frederik Dahl Nielsen: Hydrogen uptake in the Nordic energy transition: national profiles, infrastructure implications, and system-level impacts

Frederik Fristed: Impact of large-scale infrastructure commitments under uncertainty in transport and energy systems

Jannis Kerl: Aligning network tariffs, connection regimes, and DER investments for grid-friendly industrial electrification

Rasmus Bramstoft: Simple or too simple: Representing Power-to-X infrastructure in large-scale sector-coupled energy systems models

Yousef Pourjamal: Subnational Dynamics of the Energy Transition: A NUTS2-Level Assessment of Renewable Energy Systems in Nordic and Baltic Regions