OR as a resilient technology
How OR reacts and adapts to disruptive changes and future challenges

4th Conference of the EURO Practitioners’ Forum

Thursday 20 April 2023
12:30  Registration
13:30  Opening session
13:45  Keynote: K. Spreckelsen (OGE): How to cope with the recent new challenges in gas transport
14:45  Contributed talks
  •  J. Zittel (ZIB): Energy system planning in times of change – a hierarchical and multi-objective approach for sustainable investment planning
  •  M. Pozzi (Optit): Multi-energy systems design and operations in response of climate change policies
  •  M. Petkovic (ZIB): Predictive analytics in the presence of structural changes: the natural gas example
15:45  Coffee break
16:00  Keynote: S. Charousset-Brignol (EDF): OR challenges related to the electricity system transition: a glance at some latest modelling and solving advances
17:00  Contributed talks
  •  C. Antunes (University of Coimbra): Mixed-integer linear programming models to optimize residential demand response to dynamic tariffs
  •  B. Alidaee (University of Mississippi), J. Huang (Angelo State University): Combining optimization and deep learning for dynamic pricing in renewable energy markets
17:40  Parallel discussion groups
18:45  Close
19:30  Conference dinner

Friday 21 April 2023
8:30  Registration
9:00  Keynote: D. Roth (Jeppesen Systems): Using airline planning software to schedule nurses when COVID hit Sweden
10:00  Contributed talks
  •  C.Ph. Medard (SAP): The intelligent machinery behind airline ground operations
  •  S. Al-Natoor (Eastern Mediterranean University): Temporary logistic hubs prepositioning for preparedness and response disaster operations
10:40  Coffee break
10:55  Contributed talks
  •  R. Secca (ORTEC): Leveraging Deep Learning models to estimate travel time durations over large evolving networks
  •  I. Yüksel-Ergün (ZIB): Improving quality of OR data sets: Detecting and removing data errors that involve superhuman complexity
11:35  Keynote: A. Korhonen (Detech Decision Technologies): Managing uncertainty and preparing for disruptive changes in financial services industry
12:35  Lunch
13:45  Panel discussion: Quantum Computing
14:45  Keynote: V. Fux (Zalando SE): Optimal Pricing under macroeconomic shock and unstable customer behavior in e-commerce
15:45  Summary of parallel sessions and closing remarks
16:15  Close

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Berlin, Germany
20-21 April, 2023