

## Program Overview

### Donnerstag, 4. Oktober 2018

Do, 4.10. 09:00–11:30 **Exhibition voestalpine Stahlwelt**

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*Start: Johannes Kepler University Linz*

Do, 4.10. 11:30–13:00 **Registration and Lunch**

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*Johannes Kepler University Linz*

Do, 4.10. 13:00–18:00 **Opening, Keynote 1 and Contributed Talks**

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*Johannes Kepler University Linz*

Do, 4.10. 19:15–22:00 **Gala Dinner and AEC Deep Space**

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*Cubus, Ars Electronica Center*

### Freitag, 5. Oktober 2018

Fr, 5.10. 08:30–17:00 **Contributed Talks, Keynote 2 and Closing**

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*Johannes Kepler University Linz*

Do, 4.10. 13:00–14:00 **Opening and Keynote 1**

*Chair: Sophie N. Parragh*

**Split Delivery Policies in Goods Distribution: What is the Cost of Customer Convenience?**

*Stefan Irnich*

Do, 4.10. 14:00–15:15 **DO-1** Logistics in the food and grocery sector

*Chair: Markus Böhm*

**Solving an On-line Vehicle Routing Problem with Structured Time Windows for One of the World's Largest Grocery Retailers**

*Philipp Hungerländer*

**Optimizing routing and delivery patterns with multi-compartment vehicles**

*Alexander Hübner*

**Smart Farming - Multikriterielle Optimierung und Entscheidungsunterstützung in der Erntekettenlogistik**

*Neele Leithäuser*

Do, 4.10. 15:35–16:50 **DO-2** Scheduling

*Chair: Michael Affenzeller*

**Scheduling radiotherapy treatments considering stochastic appointment durations, patient unavailability and machine breakdowns**

*Petra Vogl*

**Flexible Resource Constrained Multi-Project Scheduling: A Real-World Extension for the Steel Industry**

*Viktoria Hauder*

**Periodic timetabling with 'Track Choice'-PESP based on given line concepts and mesoscopic infrastructure**

*Stephan Bütikofer*

Do, 4.10. 17:05–17:55 **DO-3** E-commerce operations

*Chair: Manuel Ostermeier*

**Optimization of warehouse logistics for e-commerce operations**

*Ulrich Pferschy*

**Decision support for e-grocery operations facilitating consumer preferences and product shelf life data**

*Christian Fikar*

- Fr, 5.10. 08:30–10:10 **FR-1** Collaboration, sharing and pricing  
*Chair: Karl F. Dörner*
- Service level selection and pricing for multimodal package distribution networks**  
*Florian Martin*
- An agent-based decision support system to facilitate agricultural sharing concepts for on-line food deliveries**  
*Magdalena Leithner*
- Crowdsourced Logistics: The Pickup and Delivery Problem with Transshipments and Occasional Drivers**  
*Stefan Voigt*
- Pushing frontiers in auction-based transport collaborations**  
*Richard F. Hartl*
- Fr, 5.10. 10:30–12:10 **FR-2** Production and in-house operations  
*Chair: Klaus Altendorfer*
- The effect of safety stock relaxation and dynamic planned lead time within the MCRP algorithm in a simple manufacturing structure**  
*Andreas Peirleitner*
- Kombinierte Absatz- und Produktionsplanung in der Sägeindustrie: Modelle und Implementierung**  
*Matthias Kaltenbrunner*
- Güterbasierte Aggregation für die Materialflussoptimierung in einem Unternehmen im Spezialkraftfahrzeugbau**  
*Roland Braune*
- A Local-Search Based Heuristic for the Unrestricted Block Relocation Problem**  
*Fabien Tricoire*
- Fr, 5.10. 13:10–14:30 **FR-3** Practical applications  
*Chair: Stefanie Kritzingner*
- Automatisierung in der Stahlerzeugung – Erfahrungen und Ergebnisse aus dem HOPL Projekt**  
*Andreas Beham*
- Next-Level Corporate Mobility: Concepts and Findings**  
*Matthias Prandtstetter*
- DigiMont: A hierarchical planning approach for mixed-model assembly lines**  
*Daniel Dorfmeister, Sandra Furlinger*
- iTPP 4.0 – Die intelligente Weiche**  
*Markus Steindl, Alfred Leithold*

Fr, 5.10. 14:50–15:40 **FR-4** Vehicle routing

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*Chair: Fritz Starkl*

**The PDP with alternative locations and overlapping time windows**

*Alina-Gabriela Dragomir*

**Routing in the sphere of security related operations: models and exact solution approaches**

*Philipp E.H. Salzmann*

Fr, 5.10. 15:45–16:45 **Keynote 2 and Closing**

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*Chair: Wolfgang Freiseisen*

**Die „Kritischen Erfolgsfaktoren“ von ATMO (Autonomous Transport Mobility Optimization)**

*Christian Herneth*