

## Lecture Series of the Research Institute for Supply Chain Management

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Friday, March 10, 2023, 12:30 pm

Room TC.5.01, Welthandelsplatz 1, 1020 Vienna



### **MAXIMILIAN KUNOVJANEK & HARALD PONWEISER: “AUTOMATED RESOURCE PLANNING AT ÖBB”**

Automated resource planning or ARP in short, is an enterprise-wide initiative at the Austrian Federal Railways – ÖBB – concerned with the creation of an integrated, rolling planning environment for operational resources. To tackle the complexity of the railway system a two-fold approach is applied where the functionality of a standardized software application is enhanced by a proprietary service hub. On this service hub resource allocation tasks are performed through the innovative interplay of mathematical optimization and simulation, as well as various machine learning and artificial intelligence approaches.

**Maximilian Kunovjanek** works for the Austrian Federal Railways – ÖBB – as a R&D project manager within the ARP-Automated Resource Planning program and as a Business Analyst at the Production-Service department within the ÖBB-Produktion GmbH. Maximilian previously worked in academia as a research assistant in the field of operations and logistics where he also finished his research doctorate.

While leading the Production-Service department within the ÖBB-Produktion GmbH, **Harald Ponweiser** is also the product manager of the ARP-Automated Resource Planning program. As the initiator of ARP he serves as the main point of contact for all program-related R&D topics. In his decades-long tenure with the Austrian Federal Railways – ÖBB – Harald served in various management positions in business development, operational logistics, and information technology.

For further information, please contact [sekretariat.itl@wu.ac.at](mailto:sekretariat.itl@wu.ac.at)

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