The International Scientific Symposium on Logistics (ISSL) is the central forum for the scientifically oriented logistics community. The aim is to promote interdisciplinary and international exchange of ideas in order to encourage the development of totally new models to provide solutions to real-world issues that are of relevance to researchers and scientists as well as business companies.

The future of logistics will be shaped by the needs of society, the possibilities of technologies, and by newly invented or improved business models. We will see in the future an even more dynamic development than today. The interaction between requirements, process design, and technology will be tighter. Therefore integrated models, which reflect these interactions, are of great value.

Participants will present and discuss new models to better understand what is driving the development of logistics as a science and as a field of application. Researchers, scientists, and practitioners are welcome to jointly gain insights about the future of logistics.

We are looking forward to seeing you in Magdeburg.

Your Registration
You can conveniently register for the 9th International Scientific Symposium on Logistics either online at www.bvl.de/issl or by phone on +49 / 421 / 173 84 34.

Participation Fees
€ 495 for BVL members and € 575 for non-members, reduced fee € 315 for scientists and € 110 for students. Special rates can be granted to BVL members only.

Presentation Options
Laura Plewinski will be happy to inform you about sponsoring options and about the exhibition.
Phone: +49 / 421 / 173 84 301 | l.plewinski@bvl.de

Venue
Fraunhofer-Institut für Fabrikbetrieb und -automatisierung IFF, Sandtorstraße 22, 39106 Magdeburg, Germany

Directions
1. Fraunhofer-Institut für Fabrikbetrieb und -automatisierung IFF
Sandtorstraße 22, 39106 Magdeburg, Germany

2. VDT e.V. Fraunhofer IFF
Joseph-von-Fraunhofer-Straße 1, 39106 Magdeburg, Germany

Models, Applications, Insights
Understanding Future Logistics – Models, Applications, Insights

9th International Scientific Symposium on Logistics
June 13-14, 2018

Wednesday, June 13, 2018
5.00 p.m. | Get Together 9th International Scientific Symposium on Logistics
Welcome
Prof. Dr.-Ing. Michael Schenk (Host)
Head of Institute, Fraunhofer Institute for Factory Operation and Automation IFF, Magdeburg, Germany
BVL Scientific Advisory Board
Prof. Dr.-Ing. Kai Furmans
Head of Institute for Material Handling and Logistics, Karlruhe Institute of Technology, Germany.
Chairman BVL, Scientific Advisory Board
6.15 p.m. | Special rates can be granted to BVL members only.
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Thursday, June 14, 2018

9.00 a.m. | Specialist session I
Coffee break and time to visit the exhibition

10.00 a.m. | Specialist session II
Lunch and time to visit the exhibition

11.00 a.m. | Specialist session II
Robotics Technologies — A Snack Peek to Silicon Valley

3.35 p.m. | The key take aways of the Symposium

3.45 p.m. | Closing

4.00 p.m. | Farewell Coffee

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New Supply Chain Management Platforms
Room No. 2

**CHAIR OF SESSION**

Prof. Dr. Stefan Minner, Logistics and Supply Chain Management, TUM School of Management, Technical University of Munich, Germany; BVL Scientific Advisory Board

**On Demand Distribution Platforms**

Prof. Dr. Jennifer Paasur, Assistant Professor, Department of Industrial and Systems Engineering, Kennesaw Polytechnic Institute (KPI), Troy, NY, USA

**Smart Logistics Space in the Context of Industry 4.0**

Prof. Dr.-Ing. Faisal Behrendt, Manager, Fraunhofer Group for Production Business, Magdeburg, Germany

**Impact of information exchange platforms on truck waiting and lead times in the air cargo supply chain**

Prof. Dr. Kai-Oliver Schocke, Frankfurt University of Applied Science, Germany

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Models and Testbeds in Supply Chain Management
Room No. 2

**CHAIR OF SESSION**

Prof. Dr. Ing. Julia Bendel, Chair of Management for Industry 4.0, RWTH Aachen University, Germany

**Dortmund Management Model — A Contribution to Digitalization in Logistics and Supply Chain Management**

Prof. Dr. Michael Henke, Director, Fraunhofer Institute for Material Flow and Logistics, Dortmund, Germany

**Airline business models and their network structures**

Prof. Dr. Anne Lange, Assistant Professor, Technical University Dortmund, Germany; BVL Scientific Advisory Board

**An architecture and testbed for large-scale installations of intelligent objects with time-critical integration of human-machine-interaction and material flow control**

Moritz Bodig, Senior Engineer, Chair of Materials Handling and Warehousing, Technical University Dortmund, Germany

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New Technologies in Warehouse Management
Room No. 3

**CHAIR OF SESSION**

Prof. Dr. Jennifer Pazour, Assistant Professor, Department of Industrial and Systems Engineering, Kennesaw Polytechnic Institute (KPI), Troy, NY, USA

**Inventory allocation in omni-channel fashion retailing**

Prof. Dr.-Ing. Alexander Holzer, European Business School, Supply Chain Management, Oestrich-Winkel, Germany

**Production Program Planning for the Use of Stock Levels as an Energy Storage Solution**

Dorothy Schwemmer, Project Engineer, Institut für Integrierte Produktion Hannover (IPH), Germany

**Investigating efficient buffer configurations for robust resource scheduling in multi-project manufacturing**

Prof. Dr.-Ing. Thorsten Schmidt, Professorship of Logistics Engineering, Technical University Dresden, BVL Scientific Advisory Board

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Specialist session II | 11.00 a.m.

**News on Automatic Guided Vehicles (AGVs)**

Room No. 3

**CHAIR OF SESSION**

Prof. Dr.-Ing. Ronald Koehler, Professor of Logistics and Operations Management, Erasmus University Rotterdam, The Netherlands; BVL Scientific Advisory Board

**Robust integration of acceleration and deceleration processes into the time-window routing method**

Prof. Dr.-Ing. Johannes Fittner, Chair of Materials Handling, Material Flow, Logistics, Technical University of Munich, Germany; BVL Scientific Advisory Board

**Delivery robots, a transport innovation for the last mile**

Prof. Dr.-Ing. Uwe Clausen, Director, Fraunhofer Institute for Material Flow and Logistics, Dortmund, Germany; BVL Scientific Advisory Board

**An Expert System for the automated reaction to disturbances in Automated Guided Vehicle Systems (AGVs)**

Prof. Dr.-Ing. Jürgen Overmeyer, Head of Institute of Transport and Automation Technology, Hannover Centre for Production Technology (PZH), Leibniz University Hannover, Germany; BVL Scientific Advisory Board

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Specialist session III | 2.00 p.m.

**New Technologies in Warehouse Automation for flexible Material Handling**

Dr.-Ing. Henrik Thamer, BREMER INSTITUT FÜR PRODUKTION UND LOGISTIK, BREMEN, GERMANY

**Virtual Reality in Logistics — Opportunities and Limitations of Planning & Training in Logistics**

Prof. Dr. Ralf Ebert, Professor, Department of Management and Logistics, Technical University Darmstadt, Germany; BVL Scientific Advisory Board

**Forecasting Energy Consumption of Material Handling Systems Standards and accuracy issues**

Prof. Dr.-Ing. Kai Furmahn, Head of Institute for Material Handling and Logistics, Karlsruhe Institute of Technology, Germany; Chairman BVL Scientific Advisory Board

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**Artificial Intelligence in Supply Chain Management**

Room No. 3

**CHAIR OF SESSION**

Prof. Dr. Jennifer Pazour, Assistant Professor, Department of Industrial and Systems Engineering, Kennesaw Polytechnic Institute (KPI), Troy, NY, USA

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**Worldwide Connections**

- Smart Supply Chain
- Demand Forecasting
- Blockchain & Security
- RM/AM Integration
- Software and Integration