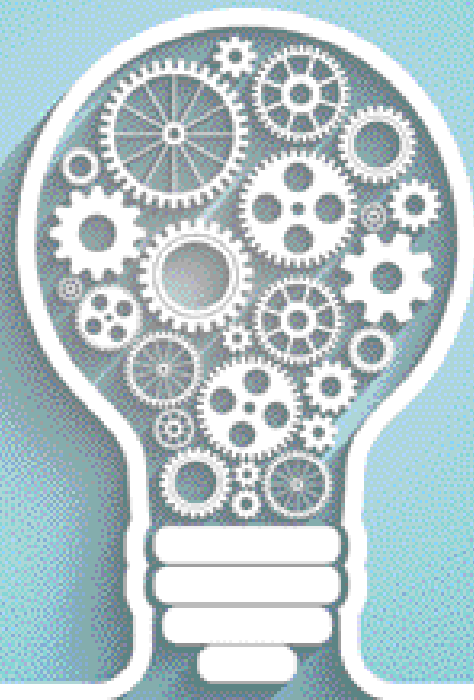


Advanced Technology and the Future of Material Handling & Logistics

International Material Handling Research Colloquium

Karlsruhe Institute of Technology
Baden-Württemberg, Germany
12-16 June 2016



Welcome to the 15th International Material Handling Research Colloquium (IMHRC). Since 1990, the biannual IMHRC has brought together academic and industrial participants to discuss the latest in material handling facility layout, logistics and supply chain research.



The Karlsruhe Institute of Technology, pictured above, is serving as the local host.

Over the next four days, we will share world-class research accomplishments, projects and trends in advanced technology and the future of material handling and logistics. The event is structured to facilitate dialog and collaboration among researchers on leading edge topics. With an immersion philosophy of complete participation by participants, the program includes a mix of invited presentations, facilitated discussions, poster sessions,

facility tours and social events.

Attendees will also participate in the 8th International Scientific Symposium on Logistics (ISSL), organized by BVL International the evening of 15 June and all day 16 June.

We appreciate the following sponsors and partners of the 2016 IMHRC:



IMHRC 2016 Schedule of Events



Sunday, June 12

6:30 pm Reception – Vogelbräu, Karlsruhe

Monday, June 13

9:00 am - 9:45 am

Opening Session
Eike Böhm (Kion) –

9:45 am - 10:30 am

*The Next Decade in Material Handling -
A View from a Leading Company's Perspective*

10:30 am - 10:45 am

Break

10:45 am - 12:00 pm

Poster Session A

12:00 pm - 1:00 pm

Lunch

1:00 pm - 1:45 pm

Larry Sweet (Georgia Tech) –
*Supply Chains Driven by Robots: Who Will Tell Them What to Do?
Opportunities for Academic Research and Industrial Collaboration*

1:45 pm - 2:00 pm

Break

2:00 pm - 2:30 pm

Kai Furmans (KIT) –
Introduction to Industrie 4.0

2:30 pm - 3:00 pm

Travel to Site Visit

3:00 pm - 5:00 pm

Site Visit – SEW EURODRIVE Plant, Graben-Neudorf

6:30 pm

Dinner – Belvedere in Bruchsal

Tuesday, June 14

8:30 am - 9:15 am

Christoph Stiller (KIT) –
The Future of Autonomous Driving: Challenges And Achievements

9:15 am - 10:30 am

Autonomous Driving Lab Visit (IFL)

10:30 am - 10:45 am

Break

10:45 am - 12:00 pm

Breakout Sessions

12:00 pm - 1:00 pm

Lunch

1:00 pm - 2:15 pm

Poster Session B

2:15 pm - 2:30 pm

Break

2:30 pm - 3:00 pm

Travel to Site Visit

3:00 pm - 5:00 pm

Site Visit – DM Warehouse

6:30 pm

Dinner – Tarte flambé, *Sponsored by Swisslog*

Wednesday, June 15

8:30 am - 9:15 am

Christian Wurl (Swisslog) –
Robogistics - Robotics in Logistics

9:15 am - 10:30 am

Tamin Asfour (KIT) –
*ARMA: A Humanoid Robot Performing Daily Tasks
through Learning from Human Observation*

10:30 am - 10:45 am

Break

10:45 am - 12:00 pm

Poster Session C

12:00 pm - 1:00 pm

Lunch

1:00 pm - 2:15 pm

Breakout Sessions

2:15 pm - 2:30 pm

Break

2:30 pm - 3:45 pm

Poster Session D

3:45 pm - 4:15 pm

Closing Session

4:15 pm - 4:45 pm

Transfer to International Scientific Symposium on Logistics (ISSL)

4:45 pm - TBD

ISSL – Opening Reception, Sessions and Reception

Thursday, June 16

9:00 am - 6:00 pm

ISSL Sessions; We will Participate in the ISSL Sessions on Thursday

6:00 pm

IMHRC Closing Dinner - Bungalow