

4th IPS Cable Simulation Conference

Speyer, June 18 – June 19, 2019



Day 1 / Tuesday:

09:00 Registration & coffee

09:45 - 10:10

- Welcome and opening, Klaus Dreßler & Oliver Hermanns

10:10 - 12:15 (Joachim Linn)

- Validation of Wiring Harness Properties, Meike Schaub / OPEL
- Dynamic loop study from today to tomorrow, Antoine Porot / LEONI Wiring Systems

Break

- Realistic Retainer Behavior, John Orischak / Ford USA
- Temperature and Pressure Dependent Measurements with MeSOMICS, Fabio Schneider, Michael Kleer / Fraunhofer ITWM
- Demo MeSOMICS

12:20 – 13:30 Lunch break

13:30 – 14:45 (Nicolas Hofheinz)

- IPS Analysis for Cables and Hoses in Motorcycle and AutoMobile Engineering, Minoru Inuzuka / Suzuki
- Vision of Engineering Workplace 2025, Jens Kohl / BMW Group
- Simulation of Wiring Harness, Matthias Mehnert, Marc Häußinger / Coroplast

Break

15:15 - 16:45 (Jürgen Stober)

- Case Study on Power Sliding Door Interference Using Catia Kinematics, Jang hwan Seo, Byeong woo Kim / Kyungshin
- Simulation of Bellows, High Voltage Cables, Driveshafts and envelopes with LUA Script, Peter Charliemo, Robin Söderblom / Volvo Cars
- What is new in 3.7 with Demonstration of IPS Cable Simulation 3.7, Tobias Forsberg / FCC

**18:00 Reception and guided tour through the 'Technik-Museum Speyer'
& Conference Dinner
(Admission for evening event only with nametags)**



Day 2 / Wednesday:



08:30 Registration & coffee

09:00 - 10:15 (Meike Schaub)

- Durability and Dynamics in IPS Cable Simulation, Fabio Schneider / Fraunhofer ITWM
- Novel Development Approaches for Rolling Stock Connection Cables and Robotic Dresspacks, Matthias Pasquon / LEONI Studer
- Next Generation Maintenance and Repair Mercedes-Benz Cars: Speeding up in Finding Disassembly Methods of ECUs by Digital Twin, Jürgen Stober / Daimler

Break

10:45 - 12:00 (Sindy Engel-Watzek)

- Integration of IPS Cable Simulation into the Product Development Process for Rail Vehicles, Thomas Eschweiler / Siemens Mobility
- Design of flexible components in the chassis environment and tool integration in the CATIA V5 environment, Thomas Schmid, Nico Suchomel / BMW
- Road Map, Oliver Hermanns / flexstructures GmbH

12:00 – 13:00 Lunch break

13:00 - 14:15 (John Orischak)

- IPS Cable Simulation and IMMA: Combining Flexibles and the Digital Human Modelling, Marius Obentheuer / Fraunhofer ITWM, FCC, flexstructures
- Variant Design and Optimization of Seed Distribution Hoses on a Seeding Machine, Ulf Hoepfner, Michael Kronmüller / John Deere
- Simulation of 2D Flexible Structures: Flat Cables, Bellows and Grommets and more, Johan Nyström / FCC, Michael Roller / Fraunhofer ITWM

Break

14:45 - 16:00 (Johan Carlson)

- Clearance Analyses of Flexible Parts in a Kinematically Driven Wheel Well, Oliver Schmidt / AUDI
- Related Technologies and Outlook, Johan Carlson / FCC, Klaus Dreßler, Joachim Linn / Fraunhofer ITWM
- Wrap up / final plenum