Papers

Session 1: Smart Objects
Online Data Acquisition and Analysis Using Multi-Sensor Network System for Smart Manufacturing
Intelligent IoT Maintenance using LoRaWAN C. Richter Institute of Logistics and Material Handling Systems University Magdeburg "Ottovon-Guericke" Magdeburg, Germany
Session 2: RFID & NFC
Automated Dynamic Storage Allocation in the Industrial Laundry Sector with RFID. M. Matke, Logistics and Factory Systems, Fraunhofer IFF, Magdeburg, Germany
Influence on an Electrically Small UHF RFID Split Ring Resonator Antenna by Biocompatible Conformal Thin and Thick Film Coatings
A Novel Automated NFC Interoperability Test and Debug System
Session 3: Smart Sensors
Discussions on sensor-based Assistance Systems for Forklifts
User acceptance and Usability of a home based gaitanalysis system
Session 4: Industry 4.0
Corporate Social Responsibility Challenges and Risks of Industry 4.0 technologies: A review D.O. Mora Sanchez, Faculty of Engineering Sciences and Industries, Universidad UTE, Quito, Ecuador
Grinding Burn Prediction with Artificial Neural Networks based on Grinding Parameters C. Reser, Institute for Cloud Computing and IT Security, Furtwangen University of Applied Science, Furtwangen, Germany
Companion Specifications for Smart Factories: From Machine to Process View 61 C. Engel, XITASO Engineering GmbH, Magdeburg, Germany
Engineering Model Linking and Ontology Linking for Production

Session 5: ITS & Localization

Non-Line of Sight Detection by Temporal Channell mpulse Response Tracking 75 P. Le, Research and Development, metraTec GmbH, Magdeburg, Germany
Development of an ITS-G5 Road Side Unit forIntelligent Transportation Systems . 83 R.E. Carsjens, Innovation Lab (IL), Thorsis Technologies GmbH, Magdeburg, Germany
Simulation Software for Radio Wave Propagation in V2X-applications
Session 6: Smart Logistics
Survey of Depth Cameras for Process-integratedState Detection in Logistics 102 M. Riestock, Institute for Intelligent Cooperating Systems, Otto von Guericke University, Magdeburg, Germany
Image Processing in Logistics – Considerations on the Role of Intelligence 108 H. Borstell, Otto von Guericke University, Magdeburg, Germany
Planning Method for IoT applications in Logistics