

First DSTA Workshop on
Data Science: Theory and Application
 RWTH Aachen University - ICT cubes, October 26, 2015

First Session (8:30 - 10: 30)

Data and Models	Prof. Wolfgang Dahmen	8:30 - 9:00
Big Data from a Database Theory Perspective	Prof. Martin Grohe	9:00 - 9:30
How to analyze hundreds of Petabytes data from the Large Hadron Collider at CERN?	Dr. Thomas Kress	9:30 - 10:00
JSC Data Activities	Daniel Mallmann	10:00 - 10:30

Coffee Break (10:30 - 11: 00)

Second Session (11:00 - 13: 00)

Signal recovery from incomplete data	Prof. Holger Rauhut	11:00 - 11:30
Optimization goes Data Science goes Optimization?	Prof. Marco Lübbecke	11:30 - 12:00
Learning generative statistical models from brain imaging repositories	Prof. Dr. med. Danilo Bzdok	12:00 - 12:30
Proactive Fault Management by Big Data Usage	Gregor Fuhs	12:30 - 13:00

Lunch Break (13:00 - 14: 00)

Third Session (14:00 - 16: 00)

The Statistical Approach to Speech Recognition and Natural Language Processing	Prof. Herman Ney	14:00 - 14:30
Large Sample Approximation for High-Dimensional Covariance Matrices and Applications	Prof. Ansgar Steland	14:30 - 15:00
Imaging and Image Processing for Plant Sciences	Dr. Hanno Scharr	15:00 - 15:30
Data Science at the Institute Cluster IMA/ZLW & IfU	Dr. Daniel Ewert	15:30 - 16:00

Coffee Break (16:00 - 16: 30)

Fourth Session (16:30 - 18: 00)

Computer Vision for Dynamic Scene Understanding and Large-Scale Visual Search	Prof. Bastian Leibe	16:30 - 17:00
Analysis of large scale flow data by dynamic mode decomposition	Dr.-Ing. Matthias Meinke	17:00 - 17:30
Heterogeneous Networks: A Big Data Perspective	Dr. Arash Behboodi	17:30 - 18:00