

Day 1 – Wednesday, May 13th

	Research (U204)		Industry (Aula)	
8:00 am	Registration (Foyer U)			
9:00-9:15	Opening and Welcome (Aula)			
9:15-10:00	Keynote (40 + 5): Gerd Antes - Evidence vs AI & Big Data			
10:00 am	Coffee Break (20 min)			
10:20 am	R01		I01	
	10:20-10:45	123 (20 + 5)	10:20-11:00	IK2 (35 + 5)
	10:45-11:10	126 (20 + 5)	11:00-11:20	105 (15 + 5)
	11:10-11:35	116 (20 + 5)	11:20-11:40	132 (15 + 5)
	11:35-12:00	102 (20 + 5)	11:40-12:00	120 (15 + 5)
12:00-13:00	Lunch (Foyer U)			
13:00-13:45	Keynote (40 + 5): Paul Alexandru Bucur – Explainable models for quality prediction			
14:00-15:30	R02		I02	
	2:00-2:30	119 (25 + 5)	2:00-2:45	IK2 (40 + 5)
	2:30-3:00	111 (25 + 5)	2:45-3:10	124 (20 + 5)
	3:00-3:30	104 (25 + 5)	3:10-3:35	121 (20 + 5)
15:30-16:00	Coffee Break (30 min)			
16:00-17:30	R03		I03	
	4:00-4:30	122 (25 + 5)	4:00-4:45	IK3 (40 + 5)
	4:30-5:00	125 (25 + 5)	4:45-5:10	115 (20 + 5)
	5:00-5:30	106 (25 + 5)	5:10-5:35	117 (20 + 5)
19:00	Conference Dinner			

Day 2 – Thursday, May 14th

	Research U204)		Industry (Aula)	
8:30 am	Registration (Foyer U)			
9:15-10:00	Keynote (40 + 5): Clemens Wasner - Status Quo of AI in Austria & Future Trends			
10:00-10:30	Coffee Break (Foyer U)			
10:30-12:30	R04		I04	
	10:30-11:00	108 (25 + 5)	10:30-11:15	IK4 (40 + 5)
	11:00-11:30	110 (25 + 5)	11:15-11:40	131 (20 + 5)
	11:30-12:00	112 (25 + 5)	11:40-12:05	118 (20 + 5)
	12:00-12:30	109 (25 + 5)	12:05-12:30	127 (20 + 5)
12:30-13.30	Lunch (Foyer U)			
13:45-14:30	Keynote (40 + 5): Helmut Leopold - AI Reality & Limits			
14:30-15:00	Workshop: Alexandra Posekany - Data Science in Education			

-----TALKS-----

RESEARCH TRACK

R01: Data Science Frameworks

R02: Bayesian Analysis

R03: Optimizing Methods for Data Science

R04: Deep Learning Applications

ID	Paper	Author	Session
123	An easy-to-use Execution Environment for Parallel Computations	Sabrina Rossmann	R01
126	CRISP-DM Based Data Mining Methodology for Tribological Optimisation	Bitrus, Samuel Saleh	R01
116	Physical-Statistical Modelling of Micro-Meteorolgy in an Alpine-Valley serving as Input to an Online-Pollutant-Dispersion-Simulation	Spoeck, Gunter; Arbeiter, Maximilian	R01
102	Symbolic Music Text Fingerprinting: Automatic Identification of Musical Scores	Della Ventura, Michele	R01
119	Bayesian A/B Testing for Business Decisions	Kamalbasha, Shafi	R02
111	Outlier detection in Bioinformatics with Mixtures of Gaussian and heavy-tailed distributions	Posekany, Alexandra	R02
104	Uncertainty aware deep point based neural network for 3D object classification	Petschnigg, Christina; Pilz, Jürgen	R02
122	Comparison of solution approaches for the propagation of quality requirements of steering gears	Armbrust, Philipp	R03
125	Forecast Aggregation and Error Comparison: An Empirical Study	Beal, Joshua; Wehinger, German	R03
106	Persistent Homology in Data Science	Huber, Stefan	R03
108	Personalization of Deep Learning	Schneider, Johannes	R04
110	DeepMAL - Deep Learning Models for Malware Traffic Detection and Classification	Marín, Gonzalo; Casas, Pedro; Capdehourat, Germán	R04
112	NetSEC at High-Speed: Distributed Stream Learning for Security in Big Networking Data	Casas, Pedro; Mulinka, Pavol; Vanerio, Juan	R04
109	Human Migration as a Complex Network: Appropriate Abstraction and the Feasibility of Network Science Tools	Pitoski, Dino; Lampoltshammer, Thomas J.; Parycek, Peter	R04

INDUSTRY TRACK

I01: Smart Applications

I02: Automation and Digitalization in the Manufacturing Industry

I03: Modeling and Simulation of Physical Objects

I04: Experiences and Solutions for Companies using AI

ID	Talk	Speaker	Session
IK1	"Applied AI by Hexagon for creating Smart Digital Realities"	Dr. Bernhard Metzler & Dr. Bernd Reimann (Hexagon's Innovation Hub)	I01
105	An Introduction to Graph Databases for Business Intelligence	Blau, Frank (massiveart)	I01
132	???	Sinan Tanakz (KAPSCH)	I01
120	Profit-maximizing Approach in Uplift Modelling: Evidence from the Media-service Provider	Pozdeev, Daniil; Saltan, Andrey	I01
IK2	"Boosting Steel - Data Science at Liebherr"	Michael Kocher, MSc. & Dr. Andreas Schwarzahns (Liebherr MCCtec)	I02
124	Digitalization in production - From the big picture to a dedicated solution	Prasol, Lukas (Hilti)	I02
121	Multidimensional Sequential Pattern to Find Causes of Problems	Vasileva, Zornica Vaskova (Liebherr)	I02
IK3	Machine Learning and Data Science use cases for materials and components testing"	Dr. Roger Herger (thyssenkrupp Presta)	I03
115	Simulating a cyber-physical system for behavior of elderly persons	Arbeiter, Maximilian (Psysengineering)	I03
117	Modelling of Human Behaviour and Detection of Exceptions	Maier, Tanja (Psysengineering)	I03
IK4	Delivering impactful AI solutions	Rosenberg, Florian (Crayon)	I04
131	How to develop and maintain a network of AI champions	Kollmann, Walter (Blum)	I04
118	Live Quality Validation Criteria for Executing a Test Set: A Heuristic Approach for Text Documents	Bednar, Frederick; Sieber, Gregor (Ebcont)	I04
127	Introducing Natural Language Interface to Databases for Data-Driven Small and Medium Enterprises	Radovanovic, Dejan (FHS)	I04