

Monday		Tuesday		Wednesday	
Registration Desk Open (09:00 - 17:00)		Registration Desk Open (09:00 - 17:00)		Registration Desk Open (09:00 - 14:30)	
9:00 Algorithm Engineering for Graph Clustering by Prof. Dr. Wagner		9:00 Web-Scale Domain-Specific Information Extraction by Prof. Dr. Leser		9:00 Web-Scale Domain-Specific Information Extraction by Prof. Dr. Leser	
10:00 Coffee break		10:00 Coffee break		10:00 Coffee break	
10:30 Parallel Sessions 2		10:30 Parallel Sessions 2		10:30 Parallel Sessions 3	
HS 1 (KDML)	HS 2 (DB)	HE 51 (WM)	HE 52 (IR)	HS 1 (KDML)	HS 2 (DB)
<p>1. Probabilistic Inference with Stochastic Discrete Clenshaw-Curtis Quadrature by Nico Platkowski</p> <p>2. Variable Attention and Variable Noise: Forecasting User Activity by Cesar Ojeda, Kostadin Ovejiski, Rafet Sifa and Christian Bauckhage</p> <p>3. Mining Subgroups with Exceptional Transition Behavior by Florian Lemmerich, Martin Becker, Philipp Singer, Denis Helic, Andreas Hotho and Markus Strohmaier</p>	<p>1. Discovering Data Transformations in Web Resources by Ziawasch Abedjan</p> <p>2. Exploring the Application Potential of Relational Web Tables by Christian Bizer</p> <p>3. Massively distributed BIG DATA management for Enterprises by Franz Färber</p> <p>4. A Clustering Approach for Holistic Link Discovery by Markus Wentwig, Anika Groß and Erhard Rahm</p>	<p>1. CAPLAN: An Accessible, Flexible and Scalable Semantification Architecture by Sebastian Furth, Volker Belli, Alexander Legler, Albrecht Striffler and Joachim Baumeister</p> <p>2. Building an integrated CBR-Big Data Architecture based on SEASALT by Kareem Amin</p> <p>3. BISHOP – Big Data Driven Self-Learning Support for High-performance Ontology Population by Daniel Knöfl, Martin Atzmueller, Constantin Rieder and Klaus-Peter Scherer</p> <p>4. Ontology-based Communication Architecture Within a Distributed Case-Based Retrieval System for Architectural Designs by Viktor Ayzenshtadt, Klaus-Dieter Althoff, Syed Saqib Bukhari, Andreas Dengel and Ada Mikyas</p>	<p>1. An Interactive e-Government Question Answering System by Malte Schwarzer, Jonas Düver, Danuta Ploch and Andreas Lommatzsch</p> <p>2. Graph n-grams for Scientific Workflow Similarity Search by David Luis Wiegandt, Johannes Starlinger and Ulf Leser</p> <p>3. A System for Creating and Searching Semantic Documentation for Conservators by Ernesto William De Luca, SemRex</p>	<p>1. Is Web Content a Good Proxy for Real-Life Interaction? A Case Study Considering Online and Offline Interactions of Computer Scientists by Mark Kibanov, Martin Atzmueller, Jens Illig, Christoph Scholz, Alain Barrat, Cor Cattuto and Gerd Stumme</p> <p>2. Min-Hashing for Probabilistic Frequent Subtree Feature Spaces by Pascal Welke, Tamas Horvath and Stefan Wrobel</p> <p>3. Sampling Methods for Random Subspace Domain Adaptation by Christian Pöhlitz</p>	<p>1. Towards a case-based reasoning approach for cloud provisioning by Eric Kübler and Mirjam Minor</p> <p>2. Case Completion of Workflows for Process-Oriented Case-Based Reasoning by Gilbert Müller and Ralph Bergmann</p> <p>3. SEMAFLEX - Semantic Integration of Flexible Workflow and Document Management by Lisa Grumbach, Eric Rietzke, Markus Schwinn, Ralph Bergmann and Norbert Kuhn</p> <p>4. Ähnlichkeitsbasiertes Retrieval von BPMN-2.0-Modellen by Maximilian Pfister, Florian Fuchs and Ralph Bergmann</p>
12:00 Welcome		12:00 Lunch		12:00 Lunch	
13:00 Argument Mining: Manual and automatic annotation of short user-generated texts by Prof. Dr. Stede		13:00 Intelligent Enterprise by Dr. Sebastian Wieczorek		13:00 Parallel Sessions 4	
14:00 Joint Research Session		14:00 Joint Applied Session		14:00 Parallel Sessions 4	
HS 1		HS 1		HS 1 (KDML)	
Harmony Assumptions: Extending Probability Theory for Information Retrieval by Thomas Roelleke		The digital transformation is just the beginning by Dirk Helbing		1. On the Evaluation of Outlier Detection: Measures, Datasets, and an Empirical Study Continued by Guilherme Campos, Arthur Zimek, Jörg Sander, Ricardo Campello, Barbara Micenkova, Erich Schubert, Ira Assent and Michael E. Houle	
Plackett-Luce Networks for Dyad Ranking by Dirk Schäfer and Eyke Huellermeier		Case-Based Decision Support on Diagnosis and Maintenance in the Aircraft Domain by Pascal Reuss, Klaus-Dieter Althoff and Wolfram Henkel		2. MapReduce Frameworks: Comparing Hadoop and HPC by Fabian Fier, Eva Höfer and Johann-Christoph Freytag	
Case Representation and Similarity Assessment in the selfBACK Decision Support System by Kerstin Bach, Tomasz Szczepanski, Agnar Aamodt, Odd Erik Gundersen and Paul Jarle Mork		Scalable Detection of Emerging Topics and Geo-spatial Events in Large Textual Streams by Erich Schubert, Michael Weller and Hans-Peter Kriegel		3. Query-driven Data Integration by Peter Schwab, Andreas Wahl, Richard Lenz and Klaus Meyer-Wegener	
The Evolution of HyPer by Thomas Neumann		Comparing contextual and non-contextual features in ANNs for movie rating prediction by Ghulam Mustafa and Ingo Frommholz		4. Finding Trees in Mountains – Outlier Detection on Polygonal Chains by Michael Singhof, Daniel Braun and Stefan Conrad	
15:30 Coffee break		15:30 Coffee break		5. Towards rapidly developing database-supported machine learning applications by Frank Rosner and Alexander Hinneburg	
16:00 Amazon: A Playground for Machine Learning by Dr. Archambeau		16:00 Community Meetings		4. The Review of Subject Analysis: A Knowledge-based Approach facilitating Semantic Search by Sebastian Furth, Volker Belli and Joachim Baumeister	
17:00 Parallel Sessions 1		17:00 Parallel Sessions 1		5. Topical Video-On-Demand Recommendations based on Event Detection by Tobias Dörsch and Andreas Lommatzsch	
HS 1 (KDML)	HS 2 (DB)	HE 51 (WM)	HE 52 (IR)	Closing 3rd Day	
1. Synthesizing Invariants via Iterative Learning of Decision Trees by Pranav Garg, Daniel Neider, P. Madhusudan and Dan Roth	1. Robust Query Processing in Co-Processor-accelerated Databases by Sebastian Breß, Henning Funke, Jens Teubner and Volker Markl	1. Understanding online financial communities: What constitutes a valuable information exchange for users? by Ann-Kathrin Hirzel, Michael Leyer, Nick Russell, Alistair Barros and Jürgen Moormann	1. Classification of German Newspaper Comments by Christian Godde, Konstantina Lazaridou and Raif Krestel	Closing 3rd Day	
2. The Partial Weighted Set Cover Problem with Applications to Outlier Detection and Clustering by Sebastian Bothe and Tamas Horvath	2. Visualization-Driven Data Aggregation by Uwe Jugel and Zbigniew Jerzak	2. Knowledge Analytics For Workplace Learning by Maria Anna Schett, Stefan Thalmann and Ronald K Maier	2. Modern Tools for Old Content – In Search of Named Entities in a Finnish OCRred Historical Newspaper Collection 1771–1910 by Kimmo Kettunen, Eetu Mäkelä, Juha Kuokkala, Teemu Ruokolainen and Jyrki Niemi	Closing 3rd Day	
3. k-Means Clustering via the Frank-Wolfe Algorithm by Christian Bauckhage	3. SABER: Window-Based Hybrid Stream Processing for Heterogeneous Architectures by Alexandros Koliousis, Matthias Weidlich, Raul Castro Fernandez, Alexander Wolf, Paolo Costa and Peter Pietzuch	3. A Reference Model for Anti-Money Laundering in the Financial Sector by Felix Timm, Andrea Zasada and Felix Thiede		Closing 3rd Day	
	4. Challenges with Continuous Deployment of NoSQL-backed Database Applications by Meike Klette, Uta Störl, Steffi Scherzinger, Stephanie Sombach and Katharina Wiech	4. Experience – the neglected success factor in enterprises? by Edith Maier, Werner Bruns, Sebastian Eschenbach and Ulrich Reimer		Closing 3rd Day	
18:30 Poster Session + BBQ		18:30 Social Event + Dinner on your own		Closing 3rd Day	
Posters of all oral presentations and additional KDML-poster presentations:		Social Event + Dinner on your own		Closing 3rd Day	
6 Human Categorization Learning as Inspiration for Machine Learning Algorithms				Closing 3rd Day	
12 Network Analysis with NetworkIt – Interactive and Fast				Closing 3rd Day	
17 Correlated Variable Selection in High-dimensional Linear Models using Dual Polytope Projection				Closing 3rd Day	
25 Matrix Factorization for Near Real-time Geolocation Prediction in Twitter Stream				Closing 3rd Day	
67 Sequential Modeling and Structural Anomaly Analytics in Industrial Production Environments				Closing 3rd Day	
21 Assessing the Quality of Unstructured Data: An Initial Overview				Closing 3rd Day	
30 Predicting video game properties with deep convolutional neural networks using screenshots				Closing 3rd Day	
13 Applying Topic Model in Context-Aware TV Programs Recommendation				Closing 3rd Day	
20:00 Closing 1st Day		20:00 Closing 2nd Day		Closing 3rd Day	