

Monday

Registration Desk Open (09:00 - 15:30)			
9:00 Algorithm Engineering for Graph Clustering by Prof. Dr. Wagner			
10:00 Coffee break			
10:30 Parallel Sessions 2			
HS 1 (KDML)	HS 2 (DB)	HE 51 (WM)	HE 52 (IR)
<p>1. Probabilistic Inference with Stochastic Discrete Cieshawi-Curtis Quadrature by Nico Piatkowski</p> <p>2. Variable Attention and Variable Noise: Forecasting User Activity by Cesar Ojeda, Kostadin Cvejicki, Rafet Sifa and Christian Baukchage</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 Ziewasch 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 Nentwig, Anika Groß and Erhard Rahm</p>	<p>1. CAPLAN: An Accessible, Flexible and Scalable Semantic Architecture by Sebastian Furtth, 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 Knöll, 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 Miklyas</p>	<p>1. An Interactive e-Government Question Answering System by Malte Schwarzer, Jonas Döber, 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. SemRes: A System for Creating and Searching Semantic Documentation for Conservators by Ernesto William De Luca. SemRes</p>
Registration Desk Open (11:00 - 17:30)			
12:30 Welcome			
13:00 Argument Mining: Manual and automatic annotation of short user-generated texts by Prof. Dr. Stede			
14:00 Joint Research Session			
HS 1			
<p>Harmony Assumptions: Extending Probability Theory for Information Retrieval by Thomas Roelike</p> <p>Plackett-Luce Networks for Dyad Ranking by Dirk Schäfer and Eyke Huellermeier</p> <p>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</p> <p>The Evolution of HyPer by Thomas Neumann</p>			
15:30 Coffee break			
16:00 Amazon: A Playground for Machine Learning by Dr. Archambeau			
17:00 Parallel Sessions 1			
HS 1 (KDML)	HS 2 (DB)	HE 51 (WM)	HE 52 (IR)
<p>1. Synthesizing Invariants via Iterative Learning of Decision Trees by Pranav Garg, Daniel Neider, P. Madhusudan and Dan Roth</p> <p>2. The Partial Weighted Set Cover Problem with Applications to Outlier Detection and Clustering by Sebastian Bothe and Tamas Horvath</p> <p>3. k-Means Clustering via the Frank-Wolfe Algorithm by Christian Baukchage</p>	<p>1. Robust Query Processing in Co-Processor-accelerated Databases by Sebastian Breß, Henning Funke, Jens Teubner and Volker Markl</p> <p>2. Visualization-Driven Data Aggregation by Uwe Jügel and Zbigniew Jerzak</p> <p>3. SABER: Window-Based Hybrid Stream Processing for Heterogeneous Architectures by Alexandros Koklouis, Matthias Wiedlich, Raul Castro Fernandez, Alexander Wolf, Paolo Costa and Peter Pietzuch</p> <p>4. Challenges with Continuous Deployment of NoSQL-backed Database Applications by Melanie Klettke, Uta Stör, Steffi Scherzinger, Stephanie Sombach and Katharina Wlech</p>	<p>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</p> <p>2. Knowledge Analytics For Workplace Learning by Maria Anna Schett, Stefan Thalmann and Ronald K Maier</p> <p>3. A Reference Model for Anti-Money Laundering in the Financial Sector by Felix Timm, Andrea Zasada and Felix Thiede</p> <p>4. Experience – the neglected success factor in enterprises? by Edith Maier, Werner Brunis, Sebastian Eschenbach and Ulrich Reimer</p>	<p>1. Classification of German Newspaper Comments by Christian Godde, Konstantina Lazaridou and Ralf Krestel</p> <p>2. Modern Tools for Old Content – In Search of Named Entities in a Finnish OCR'd Historical Newspaper Collection 1771–1910 by Kimmo Kettunen, Eetu Mäkelä, Juha Kuokkala, Teemu Ruokolainen and Jyrki Niemelä</p>
18:30 Poster Session + BBQ			
<p>Posters of all oral presentations and additional KDML-poster presentations:</p> <p>Human Categorization Learning as Inspiration for Machine Learning Algorithms</p> <p>Network Analysis with NetworkKit – Interactive and Fast</p> <p>Correlated Variable Selection in High-dimensional Linear Models using Dual Polytype Projection</p> <p>Matrix Factorization for Near Real-time Geolocation Prediction in Twitter Stream</p> <p>Sequential Modeling and Structural Anomaly Analytics in Industrial Production Environments</p> <p>Assessing the Quality of Unstructured Data: An Initial Overview</p> <p>Predicting video game properties with deep convolutional neural networks using screenshots</p> <p>Applying Topic Model in Context-Aware TV Programs Recommendation</p>			
20:00 Closing 1st Day			

Tuesday

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12:00 Lunch			
13:00 Intelligent Enterprise by Dr. Sebastian Wiczorek			
14:00 Joint Applied Session			
HS 1			
<p>Case-Based Decision Support on Diagnosis and Maintenance in the Aircraft Domain by Pascal Reuss, Klaus-Dieter Althoff and Wolfram Henkel</p> <p>Scalable Detection of Emerging Topics and Geo-spatial Events in Large Textual Streams by Erich Schubert, Michael Weiler and Hans-Peter Kriegel</p> <p>Comparing contextual and non-contextual features in ANNs for movie rating prediction by Ghulam Mustafa and Ingo Frommholz</p> <p>The digital transformation is just the beginning by Dirk Helbing</p>			
15:30 Coffee break			
16:00 Community Meetings			
17:00			
17:30			
Social Event + Dinner on your own			

Wednesday

Registration Desk Open (09:00 - 14:30)			
9:00 Web-Scale Domain-Specific Information Extraction by Prof. Dr. Leser			
10:00 Coffee break			
10:30 Parallel Sessions 3			
HS 1 (KDML)	HS 2 (DB)	HE 51 (WM)	HE 52 (IR)
<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, Ciro 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 Pollitz</p>	<p>1. Model-Driven Integration of Compression Algorithms in Column-Store Database Systems by Juliana Hildebrandt, Dirk Habich and Wolfgang Lehner</p> <p>2. Podiumsdiskussion: Data Sciences - Ein neuer Studiengang oder nur eine Informatik-Vorlesung? Moderated by Kai-Uwe Sattler</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>	<p>1. Using key phrases as new queries in building by Mireille Makary, Michael Oakes and Fadi Yamout</p> <p>2. Vereinhaltung internationaler Bibliothekskataloge by Christian Scheel, Claudia Schmitz and Ernesto William De Luca.</p>
12:00 Lunch			
13:00 Parallel Sessions 4			
HS 1 (KDML)	HS 2 (DB)	HE 51 (WM)	
<p>1. On the Evaluation of Outlier Detection: Measures, Datasets, and an Empirical Study Continued by Guilherme Campos, Arthur Zimek, Jörg Sander, Ricardo Campello, Barbara Mikencok, Erich Schubert, Ira Assent and Michael E. Houle</p> <p>2. Scalable Inference in Dynamic Admixture Models by Patrick Jähnichen, Florian Wenzel and Marius Kloft</p>	<p>1. From Cloud to Fog and Sunny Sensors by Hannes Grunert, Martin Kasparick, Björn Butzin, Andreas Heuer and Dirk Timmermann</p> <p>2. MapReduce Frameworks: Comparing Hadoop and HPC by Fabian Fier, Eva Höfer and Johann-Christoph Freytag</p> <p>3. Query-driven Data Integration by Peter Schwab, Andreas Wahl, Richard Lenz and Klaus Meyer-Wegener</p> <p>4. Finding Trees In Mountains – Outlier Detection on Polygonal Choles by Michael Singhof, Daniel Braun and Stefan Conrad</p> <p>5. Towards rapidly developing database-supported machine learning applications by Frank Rosner and Alexander Hinneburg</p>	<p>1. Understanding Mathematical Expressions: An Eye-Tracking Study (Resubmission) by Andrea Kohlhase and Michael Fürsich</p> <p>2. Linked Data City - Visualization of Linked Enterprise Data by Joachim Baumeister, Sebastian Furtth, Lea Roth and Volker Belli</p> <p>3. Approaches for Annotating Medical Documents by Victor Christen, Anika Groß and Erhard Rahm</p> <p>4. The Review of Subject Analysis: A Knowledge-based Approach facilitating Semantic Search by Sebastian Furtth, Volker Belli and Joachim Baumeister</p> <p>5. Topical Video-On-Demand Recommendations based on Event Detection by Tobias Dörsch and Andreas Lommatzsch</p>	
14:30 Closing 3rd Day			