

\*\*\* Call for Papers for \*\*\*  
\*\*\* GfKI 2012 \*\*\*

\*\*\* The 36th Annual Conference of the German Classification Society on \*\*\*  
\*\*\* Data Analysis, Machine Learning, and Knowledge Discovery \*\*\*

The 36th Annual Conference of the German Classification Society (GfKI 2012) on  
Data Analysis, Machine Learning, and Knowledge Discovery  
Hildesheim, Germany  
August 1 to 3, 2012

<http://www.gfkl2012.de>

The 36th Annual Conference of the German Classification Society (GfKI) takes place in Hildesheim, Germany, from August 1 to August 3, 2012. We solicit contributions from scholars and practitioners on all domains where statistical and learning methods are being developed and applied to solve scientific problems, including the Areas below:

- \* Data Analysis and Statistics
- \* Machine Learning and Knowledge Discovery
- \* Data Analysis in Marketing
- \* Data Analysis in Finance
- \* Data Analysis in Biostatistics and Bioinformatics
- \* Data Analysis in Interdisciplinary Domains, including archaeology, astronomy, education, linguistics, musicology, natural sciences, psychology and social sciences

Topics in these areas include but are not limited to:

- Classification and regression
- Dimensionality reduction
- Frequent pattern mining
- Relational learning
- Online algorithms and algorithms for data streams
- Knowledge representation and discovery
- Feature space reduction
- Methods for personalization and recommender systems
- Text mining & statistical natural language processing
- Web mining
- Methods for social networks and other large graphs
- Image analysis and computer vision
- Classification and regression-type approaches
- Methods for knowledge representation and discovery
- Methods for analyzing and representing social networks
- Methods for preference and positioning analysis
- Analysis of Financial Time Series
- Multivariate Statistical Analysis of Financial Data
- Data Mining in Finance

- Market Risk Management
- Credit Risk Management
- Applications in Banking and Other Financial Institutions
- Applications in Corporate Finance
- Applications in Personal Finance
- Model Risk
- Prediction models/signatures
- Data preparation/normalization
- Ensemble methods
- Dimension reduction
- Statistical validation
- Mixture models
- Change-point problems in bioinformatics applications
- Regulation network inference

GfKI 2012 also incorporates a Workshop on Library and Information Science (LIS'2012), soliciting contributions on the role of classification and data analysis in this domain.

#### Important Dates

=====

April 17, 2012: Abstract submission deadline

April 27, 2012: Notification of acceptance

August 1-3, 2012: Conference

August 31, 2012: Full paper submission deadline - for the post-conference proceedings (tentative)

November 16, 2012: Notification of acceptance for the post-conference proceedings (tentative)

The post-conference proceedings will be published in the Springer Series "Studies in Classification, Data Analysis, and Knowledge Organization".

#### PC Chairs

=====

Myra Spiliopoulou, Otto-von-Guericke-University Magdeburg, Germany

Lars Schmidt-Thieme, University of Hildesheim, Germany

#### Local Organization

=====

Lars Schmidt-Thieme, University of Hildesheim, Germany

Ruth Janning, University of Hildesheim, Germany

#### Conference location

=====

Located in Hildesheim, the University of Hildesheim is renowned for quality research and education. Hildesheim is a beautiful town with UNESCO World Heritage Sites, located in the very center of Germany. Hildesheim has excellent train connections from all major cities of Germany, and is located only 30 km away from the international airport of Hannover.