

## CALL FOR PAPERS

### ECDA 2018 European Conference on Data Analysis

Paderborn, Germany, July 4-6, 2018  
<http://www.ecda2018.de>



The next European Conference on Data Analysis (ECDA) will take place in Paderborn, Germany, 4th-6th July, 2018. ECDA 2018 includes the 42nd Annual Meeting of the GFKI Data Science Society and the Symposium on Data Science Education of the European Association for Data Science (EuADS). It will be located in the Heinz Nixdorf MuseumsForum ([www.hnf.de](http://www.hnf.de)), the world's largest computer museum.

ECDA solicits contributions to theoretical as well as application-oriented research on topics in the realm of data science, with a specific focus on data analytics. With its motto "**Multidisciplinary Facets of Data Science**", ECDA 2018 specifically emphasizes the important interplay of disciplines involved in data science, most notably statistics and computer science. **Topics of interest** include, but are not limited to the following:

- **Theory and Methods:** Big Data; Clustering, Classification, Discrimination and Regression; Data Science; Databases and Data Management; Data Mining, Text and Web Mining; Data Visualization; Dimension Reduction; Image Analysis and Computer Vision; Impact of Technical Revolution and Library Science; Knowledge Representation and Discovery; Machine Learning; Mathematical Foundations of Data Science; Multivariate Methods; Online Algorithms and Algorithms for Data Streams; Social Network Analysis; Statistical and Econometric Methods; Symbolic Data Analysis.
- **Applications:** Archeology; Biostatistics; Business and Management; Economics; Education; Engineering; Finance; Geosciences; Industrial Automation; Linguistics; Marketing; Medicine and Health Care; Musicology; Psychology; Risk Management; Social Sciences.

Besides, ECDA will feature several **special sessions** on interesting research themes within the scope of the conference. The (still growing) list of these sessions includes the following:

- Advances in Recursive Partitioning and Related Methods (Claudio Conversano), Algorithm Selection/Configuration and Machine Learning (Bernd Bischl, Felix Mohr, Marcel Wever), Applications in Digital Humanities (Michaela Geierhos), Big Data and Complex Network Analytics (Martin Atzmüller), Bioinformatics and Biostatistics (Dominik Heider), Comparison and Benchmarking of Cluster Analysis Methods (Christian Hennig), Computational Social Science (Henning Wachsmuth), Consumer Preferences and Marketing Analytics (Friederike Paetz, Daniel Guhl), Data Analysis Models in Economics and Business (Jozef Pocięcha), Data Analysis in Finance (Krzysztof Jajuga), Data Science for Mental Health (Fionn Murtagh, Mohsen Farid), Dimension Reduction and Visualisation for Classification (Niel le Roux), European Association for Data Science (EuADS) Symposium on Data Science Education (Rolf Biehler, Reinhold Decker, Peter Flach, Berthold Lausen, Carsten Schulte), Interpretable Machine Learning (Eneldo Loza Mencia, Johannes Fürnkranz), Machine Learning for Dynamic Systems

(Volker Lohweg, Oliver Niggemann), Mining Streaming and Time-Evolving Data (Barbara Hammer, Georg Krempf, Jerzy Stefanowski), Multimodal Data and Cross-modal Relations: Analytics and Search (Ralph Ewerth), Recent Developments in Longitudinal Data Analysis in Psychology (Casper Albers), Statistical Aspects of Machine Learning Methods (Florian Dumpert), Statistical Learning with Imprecision (Thomas Augustin, Sebastian Destercke), Statistical Visualization for Data Science (Koji Kurihara, Adalbert Wilhelm), Time Series Analysis and Online Algorithms (Wolfgang Konen), Web Science (Axel Ngonga)

## Keynote Speakers

- Niko Beerenwinkel (ETH Zürich)
- James Berger (Duke University, USA)
- Andreas Christmann (University of Bayreuth, Germany)
- Irina Gurevych (TU Darmstadt, Germany)
- Barbara Hammer (Bielefeld University, Germany)
- Johannes Hartig (DIPF, Frankfurt, Germany)
- Luc de Raedt (Université Leuven, Belgium)
- Roberto Rocci (University of Rome Tor Vergata, Italy)
- Elena Simperl (University of Southampton, UK)
- Yuan Sun (National Institute for Informatics, Japan)

## Important Dates

- Abstract submission deadline: April 1, 2018
- Notification of abstract acceptance or rejection: April 30, 2018
- Early registration deadline: May 15, 2018
- Registration deadline: June 15, 2018
- Full paper submission: September 15, 2018

## Publication

Accepted full papers will be published in the Journal "Archives of Data Science, Series A" ([http://www.archivesofdatascience.org/journals/series\\_a/](http://www.archivesofdatascience.org/journals/series_a/)).

## Partner Organizations

- European Association for Data Science (EuADS)
- Data Science Society (GfKI)
- International Association for Statistical Computing (IASC)
- British Classification Society (BCS)
- Section on Classification and Data Analysis of the Polish Statistical Association (SKAD)
- Classification and Data Analysis Group of the Italian Statistical Society (CLADAC)
- Japanese Classification Society (JCS)
- German Computer Science Society (GI)

## Organization and Contact

- General Chair: Eyke Hüllermeier, Paderborn University
- Program Chairs: Hans Kestler, University of Ulm  
Adalbert Wilhelm, Jacobs University Bremen

For any questions, please feel free to contact the General Chair at [info@ecda2018.de](mailto:info@ecda2018.de).