This newsletter contains information for employees and students of the Johann Bernoulli Institute for Mathematics and Computer Science (JBI)

Johann Bernoulli Newsletter November 2017

Items in this letter

1. New Staff Members
2. PhD defences
3. News/Announcements
4. Awards and Subsidies

1. NEW STAFF MEMBERS

Tenured
Tobias Müller (Prof.) research group Probability and Statistics as of 01-08-2017

Tenure Track
Alden Waters research group SC&AA as of 01-08-2017
Stephen Trenn research group SC&AA as of 01-11-2017
George Azzopardi research group Information Systems as of 01-11-2017

Postdoc
René Conijn research group Probability and Statistics as of 01-10-2017

PhD
Caroline Haigh research group Intelligent Systems as of 01-10-2017
Gerben Jan Hettinga research group SV&CG as of 01-10-2017
Markus Schepers research group Probability and Statistics as of 01-10-2017
Benjamin Hansen research group Probability and Statistics as of 01-10-2017
Enis Kaya research group Algebra as of 01-11-2017
Larissa Streher research group CS&NM as of 01-11-2017

Administrative staff
Heleen de Waard secretary as of 01-12-2017

2. PHD DEFENCES

04-12-2017: J. Guo
Promotor: N. Petkov
Title: Brain-inspired computer vision with applications to pattern recognition and computer-aided diagnosis of glaucoma
3. NEWS / ANNOUNCEMENTS

- The Scientific Visualization and Computer Graphics group will participate as external partner in the research project "VIDI: Visual Data Science for Large Scale Hypothesis Management in Imaging Biomarker Discovery", recently funded by the Bergen Research Foundation, Norway.

- Machine Learning and Data Analysis in Astroinformatics, Special Session at ESANN 2018:
  Organized by Michael Biehl, Kerstin Bunte (University of Groningen, The Netherlands), Giuseppe Longo (University of Naples, Italy), Peter Tino (University of Birmingham, United Kingdom)

The ever-growing amount of data which becomes available in many domains clearly requires the development of efficient methods for data mining and analysis. These challenges occur in a variety of areas including societal issues, business and fundamental scientific research.

Astronomy continuous to be at the forefront of this development: Modern observational techniques provide enormous amounts of data, which have to be processed efficiently. The development of methods for their reliable acquisition and analysis has immediate impact on other areas including commercial applications, data security, environmental monitoring etc.

This special session is meant to attract researchers who develop, investigate or apply methods of machine learning and data analysis in the context of astronomical data.

Potential topics include, but are not limited to

- big data mining in astronomy
- the processing of astronomical images
- filtering techniques for streams of astronomical data
- outlier and novelty detection in observational data
- classification or clustering of celestial objects
- simulation of astrophysical models and related
- inference problems
- the analysis of heterogeneous data stemming from
- various sources or technical platforms

Important dates:
Submission of papers: 20 November 2017
Notification of acceptance: 31 January 2018
ESANN conference: 25 - 27 April 2018

More information can be found on the respective web site: https://www.elen.ucl.ac.be/esann

4. AWARDS AND SUBSIDIES ETC.

None

If you have items for the coming issue of this Newsletter, please mail to: h.m.steenhuis@rug.nl