

=====
DataMod 2018 - Presentation Reports

7th International Symposium "From Data to Models and Back"

Toulouse, 25-26 June 2018

Satellite event of STAF 2018

<http://pages.di.unipi.it/datamod/edition-2018/>

Submission deadline : Thursday 7 June 2018
Notification : Monday 11 June 2018

PRESENTATION REPORTS

In order to encourage participation and discussion, DataMod 2018 solicits submissions of presentation reports.

Presentation reports concern recent or ongoing work on relevant topics and ideas, for timely discussion and feedback at the workshop. There is no restriction as for previous/future publication of the contents of a presentation. Typically, a presentation is based on a paper which recently appeared (or which is going to appear) in the proceedings of another recognised conference, or which has not yet been submitted. The (extended) abstract of presentation submissions should not exceed 4 pages. Presentation reports will receive a lightweight review to establish their relevance for DataMod.

CONTEXT & OBJECTIVES

DataMod 2018 aims at bringing together practitioners and researchers from academia, industry and research institutions interested in the combined application of computational modelling methods with data-driven techniques from the areas of knowledge management, data mining and machine learning. Modelling methodologies of interest include automata, agents, Petri nets, process algebras and rewriting systems. Application domains include social systems, ecology, biology, medicine, smart cities, governance, education, software engineering, and any other field that deals with complex systems and large amounts of data. Reports can present research results in any of the themes of interest for the symposium as well as application experiences, tools and promising preliminary ideas. Presentation reports dealing with synergistic approaches that integrate modelling and knowledge management/discovery or that exploit knowledge management/discovery to develop/synthesise system models are especially welcome.

TOPICS

Modelling and analysis methodologies include:

- Agent-based Methodologies
- Automata-based Notations
- Big Data Analytics
- Cellular Automata
- Classification
- Clustering, Segmentation and Profiling
- Conformance Analysis
- Constraint Programming
- Data Mining
- Differential Equations
- Empirical Modelling
- Game Theory
- Machine Learning
- Membrane Systems
- Network Theory and Analysis
- Ontologies

- Optimisation Modelling
- Petri Nets
- Process Calculi
- Process Mining
- Rewriting Systems
- Spatio-temporal Data Analysis/Mining
- Statistical Model Checking
- System Dynamics
- Text Mining
- Topological Data Analysis

Application domains include:

- Biology
- Brain Data and Simulation
- Business Process Management
- Climate Change
- Cybersecurity
- Ecology
- Education
- Environmental Risk Assessment and Management
- Enterprise Architectures
- Epidemiology
- Genetics and Genomics
- Governance
- HCI and Human Behaviour
- Open Source Software Development and Communities
- Pharmacology
- Resilience Engineering
- Safety and Security Risk Assessment
- Social Good
- Social Software Engineering
- Social Systems
- Sustainable Development
- Threat Modelling and Analysis
- Urban Ecology and Smart Cities

Synergistic approaches include:

- (1) use of modelling methods and notations in a knowledge management/discovery context
- (2) development and use of common modelling and knowledge management/discovery frameworks to explore and understand complex systems from the application domains of interest

SUBMISSION AND PUBLICATION

The (extended) abstract of presentation submissions should not exceed 4 pages and can be shorter. Presentation reports will receive a lightweight review to establish their relevance to DataMod.

Submissions must be in PDF format and use the LNCS latex style, see <http://www.springer.de/comp/lncs/authors.html>.

The submission link is:

<https://easychair.org/conferences/?conf=datamod2018>

Presentation reports may be included in the pre-proceedings depending on prior publication status of the research and authors' preference.

At least one of the co-authors of accepted presentation submissions are expected to present and discuss their work at the symposium. Sessions for presentation reports will take place on both days of DataMod to enable attendees at other single day workshops to contribute.

A special issue of a relevant international journal with extended versions of selected papers and presentations is planned.

IMPORTANT DATES

Submission of presentation reports: Thursday 7 June 2018

Notification: Monday 11 June 2018

Symposium: Monday 25 and Tuesday 26 June 2018

KEYNOTE SPEAKERS

- * TBA
- * TBA

PROGRAM CO-CHAIRS

- * Oana Andrei, University of Glasgow, UK
- * Antonio Cerone, Nazarbayev University, Kazakhstan
- * Riccardo Guidotti, University of Pisa & ISTI-CNR, Italy

PROGRAM COMMITTEE

- * Oana Andrei, University of Glasgow, UK (Co-chair)
- * Luis Barbosa, United Nations University, UNU-EGOV, Portugal
- * Bettina Berendt, University of Leuven, Belgium
- * Armelle Brun, LORIA - Universite Nancy 2, France
- * Juliana Kuster Filipe Bowles, University of St Andrews, UK
- * Antonio Cerone, Nazarbayev University, Kazakhstan (Co-chair)
- * Francois Fages, INRIA & Universite Paris-Saclay, France
- * Lei Fang, University of St Andrews, UK
- * Cheng Feng, Siemens Corporate Technology, China
- * Giuditta Franco, University of Verona, Italy
- * Vashti Galpin, University of Edinburgh, UK
- * Yiwei Gong, Wuhan University, China
- * Rocio Gonzalez-Diaz, University of Seville, Spain
- * Riccardo Guidotti, University of Pisa & ISTI-CNR, Italy (Co-chair)
- * Tias Guns, Vrije Universiteit Brussel, Belgium
- * Joris Hulstijn, Tilburg University, The Netherlands
- * Mouna Kacimi, Free University of Bozen-Bolzano, Italy
- * Paddy Krishnan, Oracle Labs, Australia
- * Sotirios Liaskos, York University, Canada
- * Martin Lukac, Nazarbayev University, Kazakhstan
- * Letizia Milli, University of Pisa, Italy
- * Charles Morisset, Newcastle University, UK
- * Patrick Mukala, Eindhoven University of Technology, The Netherlands
- * Mirco Musolesi, University College London, UK
- * Laura Nenzi, TU Wien, Austria
- * Siegfried Nijssen, Katholieke Universiteit Leuven, Belgium
- * Nicola Paoletti, Stony Brook University, USA
- * Ettore Ritacco, ICAR-CNR, Italy
- * Gwen Salaun, University of Grenoble Alpes, France
- * Mark Sterling, Nazarbayev University, Kazakhstan
- * Luca Tesei, University of Camerino, Italy

ORGANIZING COMMITTEE

- * Vashti Galpin, University of Edinburgh, UK
- * Paolo Milazzo, University of Pisa, Italy

STEERING COMMITTEE

- * Antonio Cerone, Nazarbayev University, Kazakhstan
- * Jane Hillston, University of Edinburgh, UK
- * Marijn Janssen, Delft University of Technology, the Netherlands
- * Stan Matwin, Dalhousie University & University of Ottawa, Canada
- * Paolo Milazzo, University of Pisa, Italy
- * Anna Monreale, University of Pisa, Italy

CONTACT

All inquiries should be sent to datamod2018@easychair.org .