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DataMod 2017 - Call for Presentation Reports
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6th International Symposium "From Data to Models and Back"
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(formerly known as MoKMaSD)

Trento, 4-5 September 2017

Satellite event of SEFM 2017

http://pages.di.unipi.it/datamod/edition-2017/

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Submission   : 8 August 2017
Notification : 10 August 2017
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PRESENTATION REPORTS

In order to encourage participation and discussion, DataMod 2017
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 2017 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. Presententations
can deal with any of the themes of interest for the symposium as
well as application experiences, tools and promising preliminary ideas.
Presentation 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
- Governance
- 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 for DataMod.

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

  https://easychair.org/conferences/?conf=datamod2017

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.
essions 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: 8 August 2017
Notification: 10 August 2017
Symposium: 4-5 September 2017

KEYNOTE SPEAKERS

* Siobhán Clarke, Trinity College Dublin
* Bruno Lepri, Fondazione Bruno Kessler and MIT Media Lab

PROGRAM CO-CHAIRS

* Vashti Galpin, University of Edinburgh, UK
* André Teixeira, Delft University of Technology, Netherlands

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* Anna Philippou, University of Cyprus, Cyprus
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* Mark Sterling, Nazarbayev University, Kazakhstan
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* Anna Monreale, University of Pisa, Italy

CONTACT

All inquiries should be sent to datamod2017@easychair.org