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DataMod 2016 CfP **Deadline Extended to (18th Abstract) 25th April 2016**
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5th International Symposium "From Data to Models and Back" - DataMod 2016

(formerly known as MoKMaSD)

Vienna, 8th July 2016

co-located with STAF 2016

http://pages.di.unipi.it/datamod/edition-2016/

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CONTEXT & OBJECTIVES

DataMod 2016, formerly MoKMaSD, 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. Papers can present research results in any of the themes of interest for the symposium as well as application experiences, tools and promising preliminary ideas. Papers dealing with synergistic approaches that integrate modelling and knowledge management/discovery or that exploit knowledge management/discovery to develop/syntesise system models are especially welcome.

Authors are invited to submit original research or tool papers on any relevant topic. These can either be normal or short papers. Short papers can discuss new ideas which are at an early stage of development and which have not yet been thoroughly evaluated.

TOPICS

Modelling and analysis methodologies include:
 - Agent-based Methodologies
 - Automata-based Methodologies
 - Big Data Analytics
 - Cellular Automata
 - Classification
 - Clustering, Segmentation and Profiling
 - Conformance Analysis
 - Constraint Programming
 - Data Mining
 - Differential Equations
 - 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
 - Text Mining
 - Topological Data Analysis

Application domains include:
 - Biology
 - Brain data and simulation
 - Business Process Management
 - Climate Change
 - Ecology

- Education
 - Environmental Risk Assessment and Management
 - Enterprise Architectures
 - Epidemiology
 - Genetics
 - Governance
 - Pharmacology
 - Smart Cities and Smart Lands
 - Social Good
 - Social Software Engineering
 - Social Systems
 - Sustainable Development
 - Urban Ecology

Synergistic approaches include:
(1) use of modelling methods and notations in a Knowledge
    Management/Discovering context
(2) development and use of common modelling and Knowledge
    Management/Discovering frameworks to explore and understand
    complex systems from the application domains of interest

SUBMISSION AND PUBLICATION

All contributions in the form of either regular (research or
position) papers, up to 15 pages, or short (research or
position) papers, up to 8 pages, will be reviewed by three members
of the Program Committee. All papers should be written in English
and be in LNCS format. The submission Web site for DataMod 2016 is
https://easychair.org/conferences/?conf=datamod2016. More information
on the submission procedure is available at the symposium web page:
http://pages.di.unipi.it/datamod/edition-2016/.

Accepted papers (both regular and short) will be published after
the Symposium by Springer in a volume of Lecture Notes in Computer
Science (LNCS), which will collect contributions to workshops
and symposia co-located with SEFM 2016 and STAF 2016.
Condition for inclusion in the post-proceedings is that at least one
of the co-authors has presented the paper at the Symposium.
Pre-proceedings will be available online before the Symposium.

A special issue of a relevant international journal with extended
versions of selected papers is under consideration.

IMPORTANT DATES

Abstract Submission deadline: 11th April EXTENDED to 18th April 2016
Paper Submission deadline: 18th April EXTENDED to 25th April 2016
Accept/Reject Notification: 23rd May 2016
Pre-proceedings Final version due: 12th June 2016
Symposium: 8th July 2016

KEYNOTE SPEAKERS

* Emanuela Merelli, University of Camerino, Italy
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