



DaMiC 2012

The 2012 International Workshop on Data Analytics and Mining in the Cloud

<http://damic.reading.ac.uk/>

A Workshop of the IEEE International Conference on Cloud Computing Technology and Science (IEEE CloudCom 2012), Taipei, Taiwan, December 3-6, 2012

<http://2012.cloudcom.org/>

CALL FOR PAPERS

Workshop Description

The Workshop intends to provide an opportunity to researchers and practitioners to present and discuss current research directions and open issues in adopting Data Mining and Predictive Analytics tools in Cloud Computing. The Workshop intends to facilitate the exchange of ideas between two main research communities, Cloud Computing and Data Mining. It also intends to attract scientists from other disciplines like Mathematics, Biology, Neuroscience, etc., which ultimately benefit from mining their data in the Cloud.

Important Dates:

Paper Submissions: August 20, 2012 (extended)

Notification: September 10, 2012

Camera ready: September 28, 2012

Workshop date: December 3-6, 2012

Workshop Co-Chairs

Dr. Latifur Khan, University of Texas at Dallas, USA

Prof. Dr. Mehmet Cudi Okur, Yasar University, Turkey

Dr. Giuseppe Di Fatta, The University of Reading, UK

Publicity Chair

Francesco Bianchi, The University of Reading, UK

Topics of Interests

Papers describing original research on both theoretical and practical aspects of Data Analytics and Mining in the Cloud are solicited. Topics include, but are not limited to:

- Predictive Analytics in Cloud Computing, Data Mining workflows in Cloud Computing, Data mining tools as SaaS and PaaS
- Integration of Predictive Models in Cloud environments, e.g., the Predictive Model Markup Language (PMML);

- Integration of tools for data mining and business intelligence
- Distributed and Parallel Data Mining
- Mining Big Data, Hadoop, MapReduce
- Fault-tolerant Data Mining
- Online Learning on Data Streams
- Data security and privacy issues in Cloud Computing
- Predictive Analytics and Data Mining supporting Configuration, Management and Monitoring of Cloud Computing infrastructures, Distributed Systems, Federated Databases and Large-Scale Networked Applications

We also welcome submissions on reports of Data Mining applications based on Cloud Computing of particular interest. Application domains include, but are not limited to:

- Data Networks, Autonomous and Autonomic Networks, Mobile ad-hoc Networks (MANET), Wireless Sensor Networks (WSN), Internet of Things
- Bioinformatics, System Biology, Neuroscience, Chemoinformatics
- Statistics, Astronomy, Physics, Meteorology
- Medicine and Health Care

Paper submission instructions:

This workshop will only accept for review original papers that have not been previously published. Papers should be formatted based on the IEEE Transactions journals and conferences style; maximum allowed camera-ready paper length is six (6) pages. Submissions must be in Adobe PDF format, including text, figures and references. Accepted papers will be published in the ClouDom2011 proceedings, for further information see the IEEE CloudCom 2012 web page (<http://2012.cloudcom.org/>).

Review procedure

All submitted paper will be reviewed by an international program committee.

Technical Program Committee

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| • Gagan Agrawal, Ohio State University, USA | • Yike Guo, Imperial College, UK |
| • Ethem Alpaydin, Bogazici University, Turkey | • Malcolm I. Heywood, Dalhousie University, Canada |
| • Ismail Ari, Özyegin University, Turkey | • Benoit Hudzia, SAP Research, CEC Belfast, UK |
| • Michael R. Berthold, University of Konstanz, Germany | • Giuseppe Italiano, Università di Roma "Tor Vergata", Italy |
| • Albert Bifet, University of Waikato, New Zealand | • Scott Klasky, Oak Ridge National Laboratory, USA |
| • Mario Cannataro, University "Magna Græcia" of Catanzaro, Italy | • Lu Liu, University of Derby, UK |
| • Filip De Turck, Ghent University - IBBT, Belgium | • Eric Pardede, La Trobe University, Australia |
| • Bart Dhoedt, University of Gent, Belgium | • Antonio Puliafito, University of Messina, Italy |
| • Wei Fan, IBM T.J. Watson Research, USA | • Omer Rana, Cardiff University, UK |
| • Leila Fayez Ismail, UAE University, United Arab Emirates | • Domenico Talia, University of Calabria, Italy |
| • Giancarlo Fortino, University of Calabria, Italy | • Maurizio A. Urso, ICAR-CNR, Italy |
| • Jing Gao, University at Buffalo, USA | • Ran Wolff, Haifa University, Israel |
| • Alex Guazzelli, Zementis, USA | • George Yee, Carleton University, Canada |