



The **1st edition of the International Conference on Big Data Analytics, Data Mining and Computational Intelligence** (BigDaCI'16) (part of the IADIS Multi Conference on Computer Science and Information Systems 2016) was hosted in Funchal, Madeira, Portugal, during **2 -4 July, 2016**.

This conference was organized by the International Association for Development of the Information Society (IADIS).

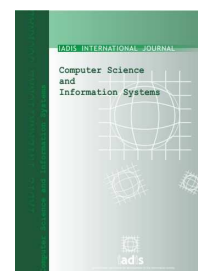
The growth of data both structured and unstructured will present challenges as well as opportunities for industries and academia over the next few years. With the explosive growth of data volumes, it is essential that real-time information that is of use to the business can be extracted to deliver better insights to decision-makers, understand complex patterns etc. Computational Intelligence tools offer adaptive mechanisms that enable the understanding of data in complex and changing environments. The main building blocks of computational intelligence involve computational modelling of biological and natural intelligent systems, multi-agent systems, hybrid intelligent systems etc. The conference aimed to provide an opportunity for the researchers to meet and discuss the latest solutions, scientific results and methods in solving intriguing problems in the fields of Big Data Analytics, Intelligent Agents and Computational Intelligence. Submissions were accepted under the following topics: Big Data Algorithms and Architectures; Computational Intelligent Frameworks for Big Data Processing; Data Mining Topics and Applications; Big Data Applications and Multi-Agent Systems: Models, Architectures and Applications



The proceedings of the BigDaCI'16 were jointly published with the ICT, Society and Human Beings 2016, Web Based Communities and Social Media 2016 and Theory and Practice in Modern 2016. These conferences received 169 submissions from more than 32 countries. Each submission has been anonymously reviewed by an average of five independent reviewers, to ensure that accepted submissions were of a high standard. Consequently only 25 full papers were approved which means an acceptance rate of 15%. A few more papers were accepted as short papers, reflection paper and posters.

Extended versions of the best papers were selected to be published in:

- ❖ IADIS International Journal on Computer Science and Information Systems (ISSN: 1646-3692)



Besides the presentation of full papers, short papers, reflection paper and posters, these events also included two keynote presentations by Professor Emerita Gunilla Bradley (Informatics, School of ICT, Royal Institute of Technology (KTH), Stockholm, Sweden) and Professor Alfred Inselberg (Senior Fellow San Diego Supercomputing Center & Computer Science and Applied Mathematics Departments, Tel Aviv University, Israel).



Keynote Presentation:

VISUALIZATION AND DATA MINING FOR HIGH DIMENSIONAL DATA



Professor Alfred Inselberg, Senior Fellow San Diego Supercomputing Center & Computer Science and Applied Mathematics Departments, Tel Aviv University, Israel



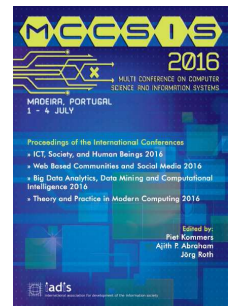
Keynote Presentation:

SOCIAL AND PSYCHOLOGICAL CHANGES IN THE ICT SOCIETY – ABOUT VISIONS AND WISDOM



by Gunilla Bradley, Professor Emerita, Royal Institute of Technology (KTH) Stockholm

The BigDaCI'16 was published in hard copy (ISBN: 978-989-8533-54-8) by IADIS Press.



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