Call for Papers DaIoD2017

Concurrency and Computation: Practice and Experience (CCPE)
Editor-in-Chief: Geoffrey C. Fox and David W. Walker
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Special Issue on "Data Fusion in the Internet of Data realm: Applications and future trends"

Scope and Objectives

The Internet of Things envisages a plethora of heterogeneous objects interacting with the physical environments. It can be foreseen that IoT applications will raise the scale of data to an unprecedented level. Collecting, analysing and correlating data from different resources is a key role to drive smart interactions between actors of IoT environments.
In this scenario, the Internet of Data (IoD) represents a concept of network composed by data entities coming from the Interne of Things (IoT). The IoD can be considered an extension of the IoT into the digital world, since the amount of data being collected is staggering.
The opportunities created by IoD have the potential to be infinite. The IoD presents an ambitious purpose; organizing the data to be interconnected as a network in order to infer useful information for data analysis and creates useful, customized and location-based services.
Especially, this issue is open to all on the theme " Data Fusion in the Internet of Data " and topics from the 2nd edition of the International Workshop on Data Mining on IoT Systems (DaMIS 2017) held at Lund, Sweden (18-20 September 2017).

Topics

The purpose of the proposed Special Issue is to publish recent advances Data Fusion and Data Mining approaches in the Internet of Data scenario, with emphasis on the following aspects, but certainly not limited to:

- Data modelling for the IoD;
- Data processing techniques for the IoD;
- Big Data search and IoD Data Mining techniques;
- Cloud computing systems for the IoD;
- Big Data Analytics for the IoD;
- Data storage models in the IoD;
- Machine learning algorithms and techniques;
- Social Network Data Analysis;
- Semantic-based data analytics for the IoD;
- Financial Data Analysis;
- Energy management in IoT based Information Systems;
- Managing energy resources in IoT systems;
- Social media and Social network data analysis;
- Methodologies and tools for Fake News discovery;
- Real-time multimedia data processing for IoD;
- Multimedia tools for IoD;
- Multimedia communication techniques;
- Multimedia Data mining for IoD;

Important Dates

Submission due: Oct. 1 2017
First round notification: 1 Dec. 2017

Date that revised papers are due: 1 Jan. 2018
Date of final decision notification: 15 Jan. 2018
Date for submission of final paper: 30 Jan 2018.
Estimated publication date. 2018

Guest Editors

Francesco Piccialli (University of Naples Federico II, Italy)
Dr. Francesco Piccialli is a researcher in University of Naples "Federico II", Italy, Department of Mathematics and Applications "Renato Caccioppoli". He received the M.S. and PhD. degrees in Computational and Computer Science in 2012 and 2015 respectively. Dr. Francesco Piccialli serves as committee member, track chair, invited session chair of many international conferences and workshop (EUSPN 2016, CADSA 2015, KES-IIMSS 2016, VICTA 2014/2015, etc.). He is also the organizer of two international workshop named V.I.C.T.A. and Da.M.I.S. His research topics are focused on Internet of Things paradigm, design of Smart Environments, Cultural Heritage applications within IoT. Recently, he have been working on smart framework to support an innovative fruition schema for Cultural spaces, applying it in many real cultural context in Naples city, Italy.

Jason J. Jung (Chung-Ang University, Korea)
Prof. Jason J. Jung is an Associate Professor in Chung-Ang University, Korea, since September 2014. Before joining CAU, he was an Assistant Professor in Yeungnam University, Korea since 2007. Also, He was a postdoctoral researcher in INRIA Rhone-Alpes, France in 2006, and a visiting scientist in Fraunhofer Institute (FIRST) in Berlin, Germany in 2004. He received the B.Eng. in Computer Science and Mechanical Engineering from Inha University in 1999. He received M.S. and Ph.D. degrees in Computer and Information Engineering from Inha University in 2002 and 2005, respectively. Dr. Jung serves as Editorial board member of many international journals, e.g., Journal of Universal Computer Science, International Journal of Intelligent Information and Database Systems, International Journal of Social Network Mining and International Journal of Web Engineering and Technology. He has edited 10 special issues in international journals, 2 conference proceedings. He is the author of about 100 international publications. His research topics are knowledge engineering on social networks by using many types of AI methodologies, e.g., data mining, machine learning, and logical reasoning. Recently, he have been working on intelligent schemes to understand various social dynamics in large scale social media (e.g., Twitter and Flickr).