

IBDE 2016

Special Session on Intelligent Big Data Exploitation

at the 8th Asian Conference on Intelligent Information and Database Systems (ACIIDS 2016)

Da Nang, Vietnam, March 14-16, 2016

Conference website: <http://www.aciids.pwr.edu.pl/>

Special Session Organizers

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Objectives and topics

The pervasiveness of information systems and electronic communication is particularly advanced in many of today's business domains, where activities such as commercial transactions, information brokering, placement of advertisements, and derivation of recommendations are nowadays widely conducted via the Internet. Public and private sector enterprises and indeed individuals today find themselves in a position equipped to gather, manage, analyze, and act upon big data, which can be characterized by the fact "that everything we do is increasingly leaving a digital trace (or data), which we (and others) can use and analyze. Big Data therefore refers to that data being collected and our ability to make use of it." More and more aspects and artifacts of everyday life, be it personal, professional, or commercial, are available in digital form, e.g., personal or company profiles, social-network and blog postings, buying histories, health records, to name just a few, and increasingly more data is dynamically generated. Moreover new tools and techniques are available for evaluating and analyzing all that data in various combinations, and numerous companies already foresee the disruptive business effects that analytical scenarios based on big data can have. The intelligent exploitation and management of big data promises new opportunities to understand business processes, customer behavior, revenue generation, and networking as well as societal effects and interactions.

The IBDE 2016 Special Session at the 8th Asian Conference on Intelligent Information and Database Systems (ACIIDS 2016) is devoted to a presentation and discussion of intelligent approaches to the exploitation of Big Data, where cases can be drawn from a variety of application areas, including, for example, banking, financial services, insurance, retail, tourism, healthcare, manufacturing/supply chain and telecommunications. We want to identify new and promising research directions as well as to publish recent advances in this area.

The scope of the IBDE 2016 includes, but is not limited to the following topics:

- Strategic role of big data for competitiveness and service quality
- Management of big data in specific application areas, e.g., banking, tourism, healthcare
- Big data veracity and quality, uncertainty and risk management
- Disruptive business models based on big data
- Real-time decision making, forecasting, and fraud detection using big data
- Modelling big data and related decision scenarios
- Social media analytics and their application-specific characteristics (i.e., application areas such as financial services, electronic commerce, marketing, smart cities, insurance, retailing, telecommunications, automotive, airlines, logistics and tourism)
- Text mining in social media to discover market dynamics such as consumer sentiment

- Online panel data to analyze consumer behavior
- Mobile devices and big data
- Data pricing and marketplaces for data
- Multi-channel strategies, in particular in retail services
- Managing big data as an asset to create information driven business models
- New research methodologies, especially innovations to handle large data sets

Important dates

Submission of papers: **15 October 2015**

Notification of acceptance: **15 November 2015**

Camera-ready papers: **1 December 2015**

Registration & payment: **1 December 2015**

Conference date: **14-16 March 2016**

Program Committee

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Submission

All contributions should be original and not have been published elsewhere or intended to be published during the review period. Authors are invited to submit their papers electronically in pdf format through the EasyChair platform. All special sessions are centralized as tracks in the same conference management system as the regular papers. Therefore, to submit a paper please activate the following link and select the track: ***IBDE 2016: Special Session on Intelligent Big Data Exploitation.***

<https://www.easychair.org/conferences/?conf=aciids2016>

Authors are invited to submit original, previously unpublished research papers written in English, of up to 10 pages, strictly following the LNCS/LNAI format guidelines. Authors can download the Latex (recommended) or Word templates available at the [Springer web site](#). Submissions not following the format guidelines will be rejected without review. To ensure high quality, all papers will be thoroughly reviewed by the IBDE 2016 Program Committee. All accepted papers must be presented by one of the authors who must register for the conference and pay the registration fee. The conference proceedings will be published by Springer in the prestigious series LNCS/LNAI (indexed by ISI CPCI-S, included in ISI Web of Science, EI, ACM Digital Library, dblp, Google Scholar, Scopus, etc.).