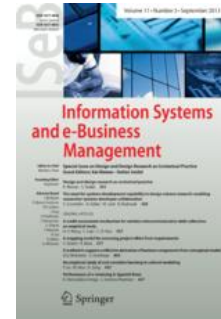


Journal of Information Systems and e-Business Management

Editors – in - Chief: J. Becker; M.J. Shaw

Special Issue Call for Papers on
«Big Data and Business Analytics Ecosystems»



Special Issue Guest Editors: Ilias O. Pappas, Patrick Mikalef, Michail N. Giannakos, John Krogstie and George Lekakos

Deadline for Submissions: 16 October 2016

Objective

The notion of big data and its application in driving organizational decision making has attracted enormous attention over the past few years. As the label itself indicates, big data refers to large volumes of data generated and made available online and in digital media ecosystems. Companies are realizing that the data they own and the way they use them can differentiate them from competition, and even provide them with a competitive edge. Thus, today's companies try to collect and process as much data as possible. Big data and business analytics are also challenging existing modes of business and well-established companies. Yet, there is limited understanding of how organizations need to change to embrace these technological innovations, and the business shifts they entail. Even more, the business value of big data and business analytics technologies still remain largely underexplored. As big data tools and applications spread, they will inevitably change long-standing ideas about decision making, management practices, and most importantly competitive strategy formulation.

The purpose of this special issue is to shed some light on how big data and business analytics tools are reshaping contemporary companies. The focus is on how companies should optimally deploy and exploit big data as part of their competitive strategies, as well as how the analytic methods, tools, and techniques are best utilized for supporting business operations. Papers that address topics on how information sources, technological infrastructure, human skills and knowledge, organizational/team structures, and management practices coalesce to achieve desired ends, are of increased interest. Furthermore, outcomes that demonstrate the organizational impact of big data and business analytics in terms of competitive performance, innovativeness, increased agility, and market capitalizing competence are encouraged. Emphasis will be placed on interdisciplinary papers that bridge the domains of organizational science, information systems strategic management, information science, marketing, and computer science. Despite the hype surrounding big data, the aforementioned predicaments

still remain largely unexplored, severely hampering the business potential of big data and business analytics. This special issue aims to add in this direction and therefore welcomes quantitative, qualitative, and mixed methods papers, as well as reviews, conceptual papers, and theory development papers.

Topics

Following that, the objective of this special issue is to present recent and considerable advances that will cover many aspects within the spectrum of big data and business analytics ecosystems. Contributing papers may deal with any combination of the following (but not limited) issues and areas:

- Emerging concepts and methodologies on big data and analytics
- Big data and management
- Organizational learning and innovation from big data and business analytics
- Data-driven competitive advantage
- Human resource management in the data-driven enterprise
- Big data digital business models
- Proactive strategy formulation from big data analytics
- Data and text mining for business analytics
- Behavioural and Recommender Systems Analytics
- Big data and analytics to create business value
- Social media analytics for business
- Data quality improvement for business analytics
- Big data and its impact on business strategy-formulation
- Digital ecosystem big data

Tentative Schedule

Optional (not a requirement to submit to the special issue): Authors in doubt about whether their papers are within the scope of the special issue are encouraged to submit an extended abstract to the editors at: bigdata.businessae@gmail.com

Submission of full papers: October 16th, 2016

Notification of initial decisions: December 18th, 2016

Submission of revised papers: January 29th, 2017

Notification of final decisions: March 5th, 2017

Estimated publication date: TBD

Submission Procedure

The full paper version shall follow the Journal author's guidelines and will be submitted to the to the journal website (<http://www.editorialmanager.com/iseb/>) indicating the following article type: "SI. : Big Data and Business Analytics Ecosystems"