First International Workshop on Business Informatics 4.0 (BI4.0)

Nowadays, technology advances open and settle down many promising and challenge opportunities for enterprises improving their competitive strategies and exploring new business positions, mostly, by introducing new and versatile support technologies into their current Information Technology (IT) platform. The digitization of the horizontal and vertical organizational value chains transforms the whole organization including managerial, operational and decisional activities as well as business objects, resources and IT capabilities at all organizational levels. Today enterprises are facing the impact of a new industrial technology-based revolution named Industry 4.0 (I4.0). I4.0 is associated to what it is called the smart industry which joins in digital and real worlds. For instance, I4.0 combines internet of things for interconnecting business objects with the standardization of digital tools, Cyber-Physical-Systems (CPS), cloud computing, the exploitation of organizational data for monitoring and increasing cooperative business functioning. The I4.0 revolution aims to arrange business and IT goals and intentions into the same direction, thus, it implicitly targets to succeed business strategies by taking advantage of the newest and smartest IT. These kinds of innovations enable enterprises to create new business value, products and services by exploiting new embedded information technologies. Accordingly, managers, at all business levels, are able to know, analyze and supervise current business units' capabilities and performance, to exploit internal and external data, to register business information sources, as well as to backup and align business decisions to business goals and strategies.

The goal of the workshop is to investigate how the theories and practices of Business Informatics may be adapted to face the new business context of an Industry 4.0 evolution and, in general, of business digitization and transformation. Almost all sub-fields of Business Informatics are concerned by these new challenges, specially, enterprise modelling and information systems engineering, business process management, Industry Applications and Business Innovations and Digital Transformation.

List of topics:

Areas of interest for this workshop include all topics related to the Industry 4.0 revolution and digitization applied to Business Informatics. The list of topics includes, but is not limited to, the following topics in the context of I4.0:

- Enterprise and Business Transformation
- Business-IT Alignment
- Enterprise Architecture Management and Governance
- Model-driven Approaches to IS engineering
- Business Process Engineering and Reengineering
- Multi-Perspective Business Process Modelling
- I4.0 Architectures
- Enterprise Interoperability and Integration
- Business models Integration with Enterprise Models
- Technology-enabled new Business Models

Submission:

Submission link: https://easychair.org/conferences/?conf=bi40.

Manuscripts must be in English and are restricted to 10 pages in IEEE 2—column template (A4). Accepted papers will be published as IEEE proceedings (CBI2019 Workshops Volume).

Important Dates:

- Workshop papers submission: April 14, 2019
- Notification to authors: May 10, 2019
- Camera-ready version due: June 1, 2019

- Author registration deadline: June 1, 2019

Workshop Chairs:

- ***Judith Barrios Albornoz:*** Systems Engineering School, University of Los Andes, Mérida, Venezuela.
- ***Elena Kornyshova:*** CEDRIC, Conservatoire National des Arts et Métiers, Paris, France.
- ***Oscar Pastor:*** PROS Research Centre, Universitat Politecnica de Valencia, Valencia, Spain.

Program Committee:

To be announced later.