

## **\*\*\*CFP TEMPLATE\*\*\***

\*\*\*\*\* CALL FOR PAPERS \*\*\*\*\*

SUBMISSION DUE DATE: 30-11-2018

SPECIAL SESSION ON DATA DRIVEN ORGANIZATIONS AND FURTHER STEPS IN THE FUTURE

INTERNATIONAL CONFERENCE ON INNOVATIVE COMPUTING AND COMMUNICATION ICICC-2019

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### INTRODUCTION:

There is a significant surge in the amount of data being generated from all the activities performed by organisations, their competition and the market as a whole. The effective use of this data has become an important aspect of competitiveness. Various algorithms, tools, technologies and applications have been developed to facilitate these processes, but the greatest challenge, with the potentially most lucrative gains, still lies ahead: how to transform existing organisations so that they fully embrace the advantages of huge amounts of data for optimal market activities. Despite many examples, application methodologies are still in early stages of formation. Any significant transformative processes into advanced forms of data driven organisations are yet to begin. The latest assessments indicate that we are still a long way from achieving the ultimate goal: that of intelligent organisations (enterprises). Nevertheless, all the actors are aware of future Darwinist processes: organisations will need to adapt in order to survive. The purpose of this session is to ascertain the current state of this challenging field and analyse several real world examples, i.e. the principles by which the relevant technologies have been applied in some of the largest global business systems. Several significant examples come from non-profit and scientific organisations. The principles of open science, supported by analytical functions, are able to achieve significant automation of the scientific research process. We are interested in how can different organisations prosper in such an environment. How to transform, what strategy to use, which formal approaches are needed, how to evaluate existing solutions, how to adapt the company culture and with what resources? The fourth industrial revolution has begun and expectations are great as regards data analysis, artificial intelligence and the Internet of Things. What do we, as scientists, need to do in order to create the future?

### RECOMMENDED TOPICS:

Topics to be discussed in this special session include (but are not limited to) the following:

- State of the art and case analysis
- Technologies and methods in data driven organizations
- Architecture of data driven organizations
- Strategy of data driven organization
- Processes of data driven organizations

- **Human component and culture in data driven organizations**
- **Formal models of data driven organizations**
- **Verification**
- **Data driven organizations in science**
- **Step in the future: Intelligent Enterprises and Organizations**

**SUBMISSION PROCEDURE:**

Researchers and practitioners are invited to submit papers for this special theme session on [**Data Driven Organizations and Further Steps in the Future**] *on or before* [30<sup>th</sup> Nov 2018]. All submissions must be original and may not be under review by another publication. INTERESTED AUTHORS SHOULD CONSULT THE CONFERENCE'S GUIDELINES FOR MANUSCRIPT SUBMISSIONS at [http://icicc-conf.com/paper\\_submission.html](http://icicc-conf.com/paper_submission.html). All submitted papers will be reviewed on a double-blind, peer review basis.

**NOTE:** While submitting paper in this special session, please specify [**insert special session title: Data Driven Organizations and Further Steps in the Future**] at the top (above paper title) of the first page of your paper.

All inquires should be should be directed to the attention of:

**Bozidar Klicek**

Guest Editor

**Data Driven Organizations and Further Steps in the Future**

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