

**CALL FOR PAPERS**  
**Hawaii International Conference on System Sciences, Maui, Hawaii, January 7-10, 2020**  
**<http://hicc.s.hawaii.edu/>**

**Collaboration Systems and Technologies Track**

**Business Intelligence & Big Data for Innovative and Sustainable Development of Organizations Minitrack**

**Minitrack co-chairs: Celina Olszak, Jozef Zurada, Dilek Cetindamar Kozanoglu**

The development of the Internet, social media, distributed databases, and a variety of mobile devices has caused a huge increase in data. Much of this diverse data in unstructured and structured forms has a high business value and, if properly utilized, can become an important organizational asset. It contains various information about customers, competition, labor market, and development trends for industries, products and services, as well as the public and political mood. For innovative and sustainable development, it is essential for organizations to utilize this data to increase sales, identify future opportunities and new markets, outperform the competition, enhance products and services, recruit talent, improve operations, perform forecasting, protect the brand, and identify areas for improvement to name a few. However, many organizations make a limited use of this valuable data available to them either because they lack necessary tools or do not understand the value of this data.

The main objective of this minitrack is to provide organizations a theoretical, conceptual, and applied grounded discussion of Business Intelligence and Big Data (BI & BD) to aid in innovative and sustainable development as well as effective decision-making. This minitrack addresses the following questions:

- What is the substance (nature) of BI & BD?
- What is the added-value of BI & BD to development of organizations and their decision-making process?
- How to support organizational creativity, innovation and decision-making using BI & BD?
- How to design intelligent information systems and build decision support systems based on BI & BD?
- How to use BI & BD tools and solutions to achieve innovative and sustainable development of organizations?

This minitrack invites papers focused on, but not limited to:

- Theoretical foundations for BI & BD development
- BI & BD to improve innovative and sustainable development of organizations;
- Challenges and opportunities of applying BI & BD for innovative and sustainable development of organizations
- Development of BI & BD analytics capability
- BI & BD driven strategies
- BI & BD-enabled business transformation
- Business value of BI & BD
- BI & BD engineering for business model innovation
- Practical approaches, solutions, methods, and tools to foster innovative and sustainable development of organizations by using of BI & BD

Important dates:

- |                               |  |
|-------------------------------|--|
| • June 15, 2019 (Hawaii Time) | Submit full manuscripts - the review is double-blind             |
| • August 17, 2019             | Acceptance notice is emailed to authors by the review system     |
| • September 22, 2019          | Submit final paper for publication in the conference proceedings |
| • January 7-10, 2020          | HICSS Conference   |

**Minitrack Co-Chairs:**

**Celina M. Olszak** (Primary Contact)  
University of Economics in Katowice, Poland  
[celina.olszak@ue.katowice.pl](mailto:celina.olszak@ue.katowice.pl)

**Dilek Cetindamar Kozanoglu**  
University of Technology Sydney, Australia  
[Dilek.CetindamarKozanoglu@uts.edu.au](mailto:Dilek.CetindamarKozanoglu@uts.edu.au)

**Jozef Zurada**  
University of Louisville, USA  
[jozef.zurada@louisville.edu](mailto:jozef.zurada@louisville.edu)