



# International

*Innovation in Knowledge Based and Intelligent  
Engineering Systems*



## INVITED SESSION SUMMARY

**Title of Session:**

Intelligent Management Support Systems (IMSS)

**Name, Title and Affiliation of Chair:**

Marcin Hernes, associate professor, Wrocław University of Economics and Business

Artur Rot, associate professor, Wrocław University of Economics and Business

Marcin Fojcik, professor, Western Norway University of Applied Sciences

Anne-Lena Kampen, associate professor, Western Norway University of Applied Sciences

**Details of Session (including aim and scope):**

Management information systems, support in a high degree in the activities of various types of organizations. These systems allow for the collection and processing of a large amount of information, but also greatly support knowledge management in the organization. The system should also be able to understand the significance of phenomena occurring around the organization environment. It is becoming more and more necessary to make decisions based not only on knowledge but also on experience, thus far regarded as purely human domain. The IMSS is devoted to models, methods and approaches addressing developing of intelligent solution for improving functionality of information systems which supports the management. We want to offer an opportunity for researchers and practitioners to identify new promising research directions as well as to publish recent advances in this area. The scope of the IMSS includes, but is not limited to the following topics related to management information systems:

- Machine learning and deep learning for support business processes,
- Agent-based and cognitive systems in management,
- Bioinformatics and Bioeconomy,
- Financial systems,
- Cryptocurrencies,
- Intelligent human-computer interfaces,
- Intelligent personalization,
- Intelligent controlling systems,
- Knowledge management in business organizations,
- Business processes modelling and simulations,
- Intelligent decision supporting,
- Management systems' integration,
- Cyber Security and blockchain in management systems,
- Cloud Computing in management,
- Teaching management systems,
- Structure of Systems – from sensors to business.

**Main Contributing Researchers / Research Centres (tentative, if known at this stage):**

**Eunika Mercier-Laurent, Jean Moulin Lyon 3 University, France**

**Wolfgang Dorner, Technische Hochschule Deggendorf, Germany**

**Mykola Dyvak, Ternopil National Economic University, Ukraine**

**Małgorzata Pańkowska, University of Economics in Katowice, Poland**

**Mieczysław Owoc, Wrocław University of Economics, Poland**

**Bogdan Franczyk, University of Leipzig, Germany**

**Jarosław Wątróbski, University of Szczecin, Poland**

**Kazimierz Perechuda, Wrocław University of Economics, Poland**

**Jan Stępniewski, Université Paris 13, France**  
**Helena Dudycz, Wrocław University of Economics, Poland**  
**Krzysztof Hauke, Wrocław University of Economics, Poland**  
**Jerzy Korczak, International University of Logistics and Transport in Wrocław, Poland**  
**Andrzej Bytniewski, Wrocław University of Economics, Poland**  
**Monika Eisenhardt, Wrocław University of Economics, Poland**  
**Dorota Jelonek, Czestochowa University of Technology, Poland**  
**Paweł Weichbroth, Gdańsk University of Technology, Poland**  
**Jadwiga Sobieska-Karpińska, The Witelon State University of Applied Sciences in Legnica, Poland**  
**Jan Ove Rogde Mjånes, Western Norway University of Applied Sciences, Norway**

**Website URL of Call for Papers (if any):**

[www.ksi.ue.wroc.pl](http://www.ksi.ue.wroc.pl)

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