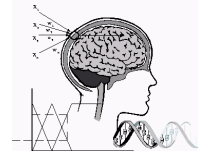




International

*Innovation in Knowledge Based and Intelligent
Engineering Systems*



INVITED SESSION SUMMARY

Title of the Session:

Organisational networks based on knowledge, innovation and intelligent systems

Name, Title and Affiliation of Chair:

Chair: Associate Professor Eng. Ph.D. Robert Kućęba, Czestochowa University of Technology, Faculty of Management, Department of Management Information Systems

Co-chair: Ph.D. Dariusz Dudek, Dr, Czestochowa University of Technology, Faculty of Management, Department of Management Information Systems

Co-chair: Ph.D. Grzegorz Chmielarz, Dr, Czestochowa University of Technology, Faculty of Management, Department of Management Information Systems

Details of the Session (including aim and scope):

Network structures applied in modern organisations, break with traditional organisational solutions and introduce new ways of management, network-oriented one. The main reason for this is the disintegration of the traditional organisation, replaced by organisations made up of autonomous employees, or entities whose aim in itself, is to achieve better results in every area of the organisation's activity by collaborating with others, using modern information systems, advanced solutions based on innovation and intelligent systems.

The purpose of this session is to explore modern network structures in organisations that are moving away from traditional organisational solutions in favour of network-centric management. Rejecting classic organisational models in favour of networks of autonomous employees and entities collaborating based on advanced information systems, innovations, and intelligent systems aims to improve business performance in all its areas. In the context of global trends, the session will also refer to digital transformation, business process automation and the Industry 5.0 concept. The growing importance of artificial intelligence (AI), robotics and sustainable development in the management of network organisations are key development directions that will be discussed during the conference. New technologies and intelligent systems enable the creation of more effective, ecological and innovation-oriented organisational models, which responds to the contemporary challenges of the knowledge-based economy.

We cordially invite academics, practitioners, researchers whose work topics are related to the following research areas:

- Smart innovation networks
- Modern tools and intelligent systems in network structures of organisations
- Knowledge management in network structures of contemporary organisations
- Network incubators and repositories of eco-innovation knowledge
- Case studies and good practices of organisational networks based on knowledge, innovation
- Information security management in organisational network structures
- Artificial intelligence tools in information security management of network organisations
- Intelligent network structures in contemporary organisations
- Intelligent systems in the management of modern organisations
- Cross-border and international networks supporting innovation and sustainable development
- Modern tools for monitoring sustainable development goals
- Digital transformation
- The Industry 5.0 concept and its tools in network organisations
- Sustainable supply chain management using advanced technologies
- Automation of Internet marketing processes in business management Innovation using ICT
- Innovation and sustainability in services and manufacturing
- Innovative technologies and solutions for building competitive advantage

- Innovative IT tools supporting investments in sustainable development
- Modern information technologies in education
- AI ni Business
- AI - Ethics, Trust, Security

Articles describing innovative combinations of management with other applied sciences to introduce innovative solutions will also be welcome. Other institutions and research groups from around the world are welcome to participate.

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

Czestochowa University of Technology

Gdansk University of Technology

Lodz University of Technology

Warsaw University of Technology

Poznan University of Technology

Katowice University of Economics

Website URL of Call for Papers (if any):

Email & Contact Details:

robert.kuceba@pcz.pl

dariusz.dudek@pcz.pl

grzegorz.chmielarz@pcz.pl