 INTERNATIONAL

INVITED SESSION SUMMARY

Title of Session:
Intelligent Systems in advancing sustainable solutions, management and strategies

Name, Title and Affiliation of Chair:
Chaired and organized by group of researchers:

dr inż. Adam Sulich, prof. UEW (Wroclaw University of Business and Economics),
mgr inż. Tomasz Zema, PhD Candidate (Wroclaw University of Business and Economics),
dr inż. Letycja Sołoducho-Pelc (Wroclaw University of Business and Economics),

Details of Session (including aim and scope):

This session, titled "**Intelligent Systems in Advancing Sustainable Solutions, Management, and Strategies**," delves into the pivotal role of computer science, particularly intelligent systems, in enhancing environmental and social well-being.

Key topics of interest include, but are not limited to:

- **Intelligent Systems in Smart Transportation and Smart Cities:** Integration of smart devices and AI for autonomous vehicles and urban planning.
- **Robotics for Environmental Interaction:** Intelligent robotics for physical tasks and engaging with the environment, including computer vision applications.
- **AI-Driven Sustainable Systems:** Recommendation systems promoting Sustainable Development Goals (SDGs) and zero-waste practices.
- **Resource Management with AI:** Solutions for optimizing resource use, waste management, environmental protection, and cybersecurity.
- **Educational Tools for Environmental Awareness:** Management simulations and educational games to build environmental consciousness.
- **Machine Learning and Sustainable Strategies:** Applications of machine learning in green strategies, policies, and management practices.
- **Natural Language Processing for Sustainability:** NLP advancements supporting the SDGs in intelligent systems.
- **Automation's Impact on Key Sectors:** The influence of automation and intelligent systems on production, agriculture, and forestry.
- **Sustainable AI Lifecycle Management:** Integrating sustainability throughout AI development and deployment.
- **IoT-Enabled Intelligent Systems:** Managing devices and sensors within IoT ecosystems.
- **Sustainability in IT and Labor Market Impact:** Integrating green principles into IT and their influence on the labor market and green jobs creation
- **Entrepreneurship and Socio-Economic Challenges:** Addressing competitive advantage, economic gaps, and demographic issues.
- **Innovations in Gaming Ecosystems:** Development of transformative gaming ecosystems and innovations.
- **Music and Audiovisual Arts in Virtual Reality:** Exploring immersive experiences in virtual environments.
- **Environmental Sensors for Nature Interaction:** Leveraging sensors to enhance engagement with nature.

We guarantee a high level of review quality and welcome new discussion topics from KES 2025 participants; please contact session organizers if you have any questions.

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