

## INVITED SESSION SUMMARY

**Title of Session:**

Computer Science for Green Technologies and Sustainable Development

**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),

**dr inż. Letycja Sołoducho-Pelc** (Wroclaw University of Business and Economics),

**mgr inż. Tomasz Zema, PhD Candidate** (Wroclaw University of Business and Economics)

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

The aim of the session is to provide a platform for the scientific exchange of ideas and discussion on the design of systems (Internet of Things especially), programmes, management tools, that help make progress towards sustainability. Important to note is the application of AI (Artificial Intelligence) for sustainable development that has two branches; AI for sustainability and sustainability of AI (e.g., reduction of carbon emissions and optimizing computing power). In order to fully understand the benefits and risks of AI, it is important to investigate both of these branches. While there is a growing number of publications directed towards the Sustainable Development Goals, there is little research addressing the, often hidden connections with AI.

Green technological change and sustainability are urgent topics of practice, research and theory that need to be addressed. Therefore, we would like to invite both academics and practitioners who are involved in the development of green technologies as a pathway to sustainability to participate in this conference session.

This session explores the diverse meanings of sustainability and brings together a wide range of approaches to this problem in the context of AI especially, but not exclusively. Interested researchers are invited to address any of the following topics (list not exclusive):

- carbon emissions measurement, training and tuning AI models,
- smart cities and Internet of Vehicles (IoV),
- sustainability impact assessments,
- sustainable policy, green management,
- green jobs and green economy,
- AI for green management, green economy and sustainability,
- sustainability and human rights,
- sustainable AI and energy sector,
- sustainability as a value to steer AI.

We are open to new topics of the scientific discussion proposed by the KES 2023 participants

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

KES2023: <http://www.kesinternational.org/2023conferences.php>

RG: <https://www.researchgate.net/project/KES-2023-Athens-Greece>

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