

## **Conf-IRM 2025**

**Conference Theme:** Sustainable IT in the Digital Age, Hosted by the Institute of Information and Communication Technologies of the Bulgarian Academy of Sciences in Sofia, Bulgaria, 10-12 April 2025

## **Conf-IRM 2025**

**Conference Theme:** Sustainable IT in the Digital Age, Hosted by the Institute of Information and Communication Technologies of the Bulgarian Academy of Sciences in Sofia, Bulgaria, 10-12 April 2025

## **Track Title: Sustainable IT in the Digital Age**

The world is influenced by many environmental challenges such as global warming, resource depletion and pollution of the environment. The digital age, characterized by the ubiquitous use of digital technologies, is impacting these challenges in both - the positive and the negative way. Negative impacts evolve from the resources (e.g., rare earth metals, energy, water, land) used for the development and use of digital artifacts, including hard- and software. Even more, the end-of-life of products is mission critical, as e.g. smartphones contain a lot of precious but also hazardous substances that might harm the environment. On the other hand, information technology is able to positively contribute to reduce environmental impacts of the digital age by monitoring, controlling and steering such impacts. Sustainable IT covers these approaches to use digital technologies for reducing environmental impacts. However, research and practice require more specific research on how to utilize information technology in this regard.

We therefore are looking for scholarly contributions, that address Sustainable IT in the Digital Age on all levels - individual, organizational and societal.

### **Possible topics**

Topics of interest include, but are not limited to:

1. Integration of Sustainable IT in the companies' strategic decision making
2. Handling Twin Transition from an organizations' point of view
3. Sustainable IT in the platform industry
4. Using AI to reduce environmental impacts of business processes
5. Sustainable IT and Resilience
6. Business Continuity Management and Sustainable IT
7. Sustainable IT's effect on Business Models
8. Influence of Sustainable IT on business processes (e.g., waste management, energy efficiency, sourcing)
9. Cross-sector initiatives and partnerships aimed at reducing the environmental impact of IT systems
10. Emerging technologies and innovation for sustainability
11. Cultural change and Sustainable IT
12. Sustainable IT education and skill development

Andreja Pucihar, University of Maribor, Slovenia, [andreja.pucihar@um.si](mailto:andreja.pucihar@um.si)

Barbara Krumay, Johannes Kepler University Linz, Austria, [barbara.krumay@jku.at](mailto:barbara.krumay@jku.at)