Conf-IRM 2025

Conference Theme: **Embracing an Intelligent Future, Hosted by the Boğaziçi University, Istanbul, Turkiye, 23-25 June 2025**

Track Title: Embracing a Sustainable Intelligent Future

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 hardware- 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 reducing the environmental impacts of the digital age by monitoring, controlling and steering such impacts. Digital technologies such as generative AI for reducing environmental impacts. However, research and practice require more specific research on how to utilizes 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. The impacts of generative artificial intelligence on the environment, society and business
2. Integration of Sustainable IT in the companies' strategic decision making
3. Handling Twin Transition from an organizations' point of view
4. Sustainable IT in the platform industry
5. Using AI to reduce environmental impacts of business processes
6. Sustainable IT and Resilience
7. Business Continuity Management and Sustainable IT
8. Sustainable IT's Effect on Business Models
9. Influence of Sustainable IT on business processes (e.g., waste management, energy efficiency, sourcing)
10. Cross-sector initiatives and partnerships aimed at reducing the environmental impact of IT systems
11. Emerging technologies and innovation for sustainability
12. Cultural Change and Sustainable IT
13. Sustainable IT education and skill development

Track Co-Chairs

- Andreja Pucihar, University of Maribor, Slovenia, **andreja.pucihar@um.si**
- Barbara Krumay, Johannes Kepler University Linz, Austria, **barbara.krumay@jku.at**