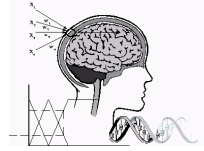




# International

*Innovation in Knowledge Based and Intelligent  
Engineering Systems*



## INVITED SESSION SUMMARY

**Title of Session:**

The role of innovation in Sustainable and Circular Economy transformations

**Name, Title and Affiliation of Chair:**

Prof Minna Lammi, Professor of Sustainability, Anglia Ruskin University, UK

Dr Maria Holgado, Associate Professor in Operations Management, University of Sussex, UK

Dr Katie L. Leggett, Senior Lecturer in Marketing, Anglia Ruskin University, UK

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

Innovations are at the core of businesses and societal transformations, including sustainable and Circular Economy (CE) transformations. Sustainability/CE transformations need to be understood from different angles in order to achieve a systemic change. This involves changes in business, industrial ecosystems and economies, societal values, norms and behaviours. Aspects that are often neglected in the enabling systems in sustainability and CE research are social and human aspects like leadership in the transformation in companies, social enterprises role, job market, networks, training, skills, emotional aspects, consumer behaviour and acceptance of CE solutions, to name a few.

Furthermore, the research in the area needs to increase attention on aspects of practical implementation for scaling up transformations and achieve higher impact. In this special session, we aim to explore different angles of the sustainability transformations and CE transformations, and connect it to the role of innovation.

We will also ask if sustainability and CE is enough – should we aim higher?

The session will cover (but not be limited to) the following topics:

- Eco-innovation role in sustainability/CE transformations
- Sustainable/Circular business models and markets
- Ideals and hopes in imagining CE/sustainable transformations
- Innovations and regenerative manufacturing
- Marketing innovations and sustainable/circular products and services
- Industrial/Entrepreneurial/Innovation ecosystems role in sustainable/CE transformations
- Design approaches and innovative processes to enable sustainable/circular practices
- Technological innovation and development to support the sustainable/CE transition
- Challenges and barriers hindering sustainable/CE innovation
- Managerial aspects of innovation and business practices

Contributions of any type are welcome, including empirical research, literature reviews, conceptual, case studies and surveys.

Authors' guidelines, and deadline for submissions can be found on the conference website

**Main Contributing Researchers / Research Centres (tentative, if known at this stage):****Website URL of Call for Papers (if any):****Email & Contact Details:**

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