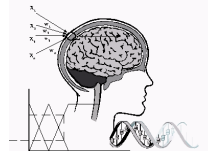




# International

*Innovation in Knowledge Based and Intelligent  
Engineering Systems*



## INVITED SESSION SUMMARY

**Title of Session:**

Possibilities, Hopes, Barriers and Practices in Circular Economy transformations

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

Dr. Katie L. Leggett, Anglia Ruskin University, UK

Dr Minna Lammi, Anglia Ruskin University, UK

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

One possibility to create more sustainable future is through circular business practices. The circular economy (CE) is a socio-economic system that seeks to change how humans and nature are interrelated and aims to prevent resource depletion, close energy and material loops, and facilitate sustainable development.

Initial research into the adoption of circular practices has emphasised the imminent need for a shift from linear production and consumption, followed by reports of slow progress in this transition due to challenges and barriers faced. To achieve a circular economy, circular practices must be implemented at all levels. Consideration of all stakeholders is vital in the shift towards more sustainable business.

In this special session, we aim to explore possibilities, hopes, barriers and practices in the transformation towards the circular economy from the business, society and consumer points of view.

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

- Modelling and defining circular business model markets
- Ideals and hopes in imagining CE
- CE business model transformations
- Marketing of circular products and services
- Design approaches and innovative processes to enable circular practices
- Technological development to support the transition to a CE
- Skills gap identification and overcoming strategies for CE
- Supply and demand management for CE jobs
- Challenges and barriers hindering CE business
- Consumer acceptance of and motivations for choosing CE business offerings
- Managerial aspects of circular business practices
- Circular systems across international borders

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 <http://sdm-23.kesinternational.org/>

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

Dr Katie L Leggett

Email: [katie-louise.leggett@aru.ac.uk](mailto:katie-louise.leggett@aru.ac.uk)

Dr Minna Lammi

Email: [minna.lammi@aru.ac.uk](mailto:minna.lammi@aru.ac.uk)