

International Research Workshop on Circular Economy in the Era of Digitalization Brescia - June 10th, 2022

Welcome Note

Dear Colleagues and Friends, it is our pleasure to invite you to the **International Research Workshop on Circular Economy in the Era of Digitalization**, organized by the RISE Lab research group at the University of Brescia (Italy) and the Molde University College (Norway) and supported by the DRIMI Doctoral Program. Circular economy represents an alternative to the historically dominant linear take-waste-dispose production model, and it is seen as an important approach for sustainable improvements. In the transition to the circular economy, digital technologies have a central role. Digitalization and digital transformation enable Circular Economy at different levels and act on the product or service's total lifespan, from product development to the end-of-life. This inter-disciplinary workshop is thus focused on the role of digitalization as a key enabler for the Circular Economy. We remind you that the workshop will be informal, with the goal of presenting work-in-progress to get feedback to develop further conference or journal papers.

Conference Program

The event will start on the 10th of June 2022 at 9:45, and is organized around three topics:

- A. Platforms and Blockchain for the Circular Economy
- B. Digitalization and Circular Economy
- C. Product and Supply Chain challenges within the Circular Economy paradigm

Hereafter, the detailed schedule:

Session	Speaker	Presentation	Timing
Welcome and opening (Nicola Saccani, UNIBS)			9:45 - 10:00
A. Platform and Blockchain	Emmanuel Kafti Mawrides	Smart Contracts Application In Circular Supply Chains	10:00 - 10:10
	Beatrice Marchi	Materials Tracing For Circularity	10:10 - 10:20
	Ernst Jan Prosmann	The Role Of The Platform Economy In The Circular Transition Of The Agri-Food Industry	10:20 - 10:30
	Bjørn Jæger	Cloud Erp For Small And Medium Sized Manufacturers: Benefits Realization Performance Indicators	10:30 - 10:40
	Q&A And Discussion (Terje Andersen, MOLDE)		10:40 - 10:50
B. Digitalization and Circular Economy	Gianmarco Bressanelli	Towards The Smart Circular Economy	10:50 - 11:00
	Paolo Rosa	Supporting The Development Of Circular Value Chains In The Automotive Sector Through Digital Technologies: The Treasure Project	11:00 - 11:10
	Terje Andersen	Information Systems And Circular Manufacturing Strategies: The Role Of Master Data	11:10 - 11:20
	Suman Kumar Das	The Role Of Digital Technologies For The Circular Economy In Manufacturing	11:20 - 11:30

	Q&A And Discussion (Nicola Saccani, UNIBS)		11:30 - 11:40
Coffe Break And Networking			11:40 - 12:00
C. Product and Supply Chain	Beatrice Colombo	Supply Chain Collaboration To Foster Circular Economy: A Multiple Case Study In The Textile Industry	12:00 - 12:10
	Alok Mishra	Additive Manufacturing Ramifications On Supply Chain Resilience	12:10 - 12:20
	Erica Santini	When Dematerialization Trends Of Servitization Foster Material Efficiency	12:20 - 12:30
	Stefania Federici	Collaborative Rearch Network Tackling The Global Challenges Of Plastic Pollution	12:30 - 12:40
	Q&A And Discussion (Gianmarco Bressanelli, UNIBS)		12:40 - 12:50
Closing Session (Nicola Saccani, UNIBS)			12:50 - 13:00

Workshop chairs:

- **Terje Andersen**, Molde University College - Specialized University in Logistics, Norway
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- **Gianmarco Bressanelli**, RISE Laboratory, Dept of Mechanical and Industrial Engineering, Università degli Studi di Brescia, Italy Gianmarco.bressanelli@unibs.it