

# FEMS EUROMAT23

03 - 07 Sep 2023 (Frankfurt am Main)

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FEMS EUROMAT is the most important international congress in materials science and technology in Europe. It continues a successful congress series promoting the transfer of knowledge and the exchange of experience between academia and industry. **Submission deadline: 31 January 2023**

Area H: Materials for Circularity and Sustainability

## H07: Digitalization for Circularity

Increasing material circularity is a very complex task involving many stakeholders from different scientific communities. Due to the diverse time and length scales involved (compare steel used in infrastructure with steel components in a smartphone), digitalization plays an important role in increasing sustainability.

This symposium will bring together experts from different modeling fields as it covers all aspects related to Digitalization and Circular Materials:

- Modeling of material flow
- Modeling-based assessment of sustainability (ecological, economic, and social), incl. criticality
- Simulation of recycling processes
- Simulation-based efficiency enhancement
- Computational design of Circular Materials
- Digital twins as part of the design for recycling
- Databases and software surrounding Circular Materials

### Symposium Organizer



Dr. Emanuel Ionescu  
Fraunhofer Research Institution IWKS



Dr. Moritz to Baben  
GTT-Technologies

