

FEMS EUROMAT 23

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. **Extended submission deadline: 15 March 2023**

Area C: Processing

C08: Advanced Ceramic Materials Processing

This symposium brings together advances in the processing and consolidation of ceramic materials and composites with high-added value using conventional and non-conventional technologies. It will include advanced techniques in powder synthesis, colloidal processing, dispersion, and shaping, as well as non-conventional fast sintering technologies such as Spark Plasma Sintering, Microwave, Flash Sintering, and Cold Sintering, the most recent advances in fast sintering techniques, and any other aspect of ceramic processing leading to improved performance and microstructure, enhanced properties and reduction of environmental impact and energy consumption.

The targeted topics for this symposium are the following:

- Novel powder synthesis routes
- Beneficiation and modification of powders
- Dispersion and rheology of suspensions
- Dry processing methods
- Pastes and plastic forming
- Shaping of porous ceramics
- Processing of polymer-derived ceramics
- Manufacture of thin and thick films, coatings, and laminates
- Fast sintering technologies
- Cold sintering process

Symposium Organizer



Dr. María Amparo Borrell Tomás
Polytechnic University of Valencia



Prof. Dr. Michael Scheffler
Otto von Guericke University Magdeburg

