

FEMS EUROMAT23

03 - 07 Sep 2023 (Frankfurt am Main)

euromat2023.com

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**

B: Structural Materials

Research on structural materials is a fascinating field, full of discoveries and commercial opportunities. Nowadays, industry, academia, and funding agencies have a once-in-a-generation opportunity to achieve climate neutrality by 2050 - the European Green Deal, the Clean Planet for All strategy, and the Paris Agreement. It will thus contribute to fighting climate change and moving towards a zero-pollution ambition for a toxic-free environment and a circular economy using digital technologies as an enabler and new forms of collaboration. Many industries are committed to reducing their emissions and thereby contributing to the achievement of climate targets. The timing is perfect, Area "B - Structural Materials" in Euromat 2023 is a new multidisciplinary reference work which provides a wide-ranging coverage and consolidates research activities in all experimental and theoretical aspects of advanced steels and cast irons, light weight metals, high-temperature alloys and intermetallic compounds, advanced ceramics, and high entropy alloys. This area emphasizes those aspects of the science of structural materials that are concerned with their manufacturing, processing, and fabrication, the relationship between the macro/micro/nanostructures and properties (mechanical, chemical, electrical, electrochemical, magnetic, and optical), industrial application, surface modification and functionalization of materials, and more importantly, resource and supply chain issues, and life cycle and sustainability practices.

Area Coordinator



Prof. Francisca Caballero
Spanish National Research Council



Prof. Pawel Zieba
Polish Academy of Sciences

B01: Advanced Steels

Dr. Carlos Garcia Mateo (CENIM-CSIC), Dr. Matthias Kuntz (Robert Bosch GmbH), Dr. Goro Miyamoto (Tohoku University)

B02: Light Weight Metals

Prof. Dr. Joaquín Rams (Rey Juan Carlos University), Dr. Belén Torres Barreiro (Rey Juan Carlos University)

B03: High-Temperature Alloys and Intermetallic

Dr. Rebeca Hernández Pascual (CIEMAT), Prof. Dr. Marta Serrano García (CIEMAT)

B04: Advanced Structural Ceramics

Dr. Begoña Ferrari (Spanish National Research Council), Dr. Laura Silvestroni (National Research Council)

B05: High Entropy Alloys

Prof. Dr. Sheng Guo (Chalmers University of Technology), Dr. Jörg Kaspar (Fraunhofer Institute IWS Dresden)

B06: Fatigue, Wear and Corrosion of Materials and Structures

Prof. Dr.-Ing. habil. Ulrich Krupp (RWTH Aachen University), Prof. Dr. Thierry Palin-Luc (ENSAM)

B07: Materials Characterization, Testing and Modeling

Dr. Pearl Agyakwa (The University of Nottingham), Dr. James Rouse (The University of Nottingham), Dr. Svjetlana Stekovic (Linköping University)

B08: Advanced Cast Irons

Dr. Tito Andriollo (Aarhus University), Dr. Giuliano Angella (CNR-ICMATE), Prof. Dr.-Ing. Marcin Górný (AGH University of Science and Technology)

B09: Theory-Guided Development of Structural Materials

Prof. Dr. Raymundo Arroyave (Texas A&M University), Prof. Dr. Pedro Rivera Díaz Del Castillo (University of Southampton)

