

MSE 2024

24 - 26 Sep 2024 (Darmstadt)

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Topic F: Functional Materials, Surfaces and Devices

F04: Photonic Technologies for Surface Processing

Laser-based manufacturing is a key technology, able to open significant markets for manufacturers applying laser-material processing, as well as for equipment manufacturers. Industrial sectors with high economic and social relevance, such as automotive, microelectronics, aviation and (bio)medical sectors rely on the quality of laser-material processing for the functionality of their products.

The aim of this Symposium is to bring together scientists and engineers working on laser-based manufacturing processes on macro, micro- and/or nanometer scale for advanced applications, addressing the current scientific and technological advances related to laser-based technology.

The contributions will be oriented to technical or industrial developments as well as basic research studies describing applications in different technological fields. Furthermore, the basic interactions of laser beams with materials and the influence of such interactions in the mechanisms governing the manufacturing processes will be addressed.

Symposium Organizer



Prof. Dr. Antonio Ancona
University of Bari



Dr. Robert Baumann
TU Dresden



Prof. Dr.-Ing. Andrés Fabián Lasagni
TU Dresden



Dr. Gediminas Raciukaitis
Center for Physical Sciences and Technolog...



Prof. Dr. Gert-willem Römer
University of Twente



Dr. Marcos Soldera
TU Dresden



Dr. Bogdan Voisiat
TU Dresden



Dr.-Ing. Christoph Zwahr
TU Dresden

