

MSE 2024

24 - 26 Sep 2024 (Darmstadt)

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Topic S: Structural Materials

S04: Advanced Steels

Due to its extraordinary versatility, steel is the number one solution for many engineering applications. Using phase transformation and chemical heterogeneity, the microstructure of steel products can be tailored in a wide range to obtain a set of application-specific properties, like high strength, ductility, corrosion resistance etc. Criticality of certain alloying elements and the need to minimize the carbon footprint have led to the development of new steel grades and thermomechanical processing routes. The symposium aims at the newest developments, e.g. on:

- Advanced high strength steels (AHSS)
- Wear- and Corrosion-resistant steels – tool steels
- Construction steels for future infrastructure
- High-temperature steels for energy conversion

Symposium Organizer



Prof. Dr.-Ing. habil. Ulrich Krupp
RWTH Aachen University



Prof. Dr.-Ing. Ulrich Prah
TU Bergakademie Freiberg

