

4<sup>th</sup> European Symposium on Superalloys  
and their Applications

# EuroSuperalloys

18 - 22 September 2022

Hybrid Symposium - Bamberg & Online

## CALL FOR ABSTRACTS

[dgm.de/eurosuperalloys](https://dgm.de/eurosuperalloys)

### DEAR EUROSUPERALLOYS COMMUNITY,

We invite you to join and contribute to the 4<sup>th</sup> European Symposium on Superalloys and their Applications which aims to highlight the progress in the field of Ni- and Co-based superalloys and related materials. Papers from academia and industry are invited on all topics covering the field of superalloy research as for example alloy development, processing effects, mechanical behavior and microstructural investigations, coatings and environmental effects. The symposium will highlight technologies that contribute to improving manufacturability also by additive processing, repair/refurbishment, life prediction, and performance of superalloys. Papers are especially welcome also on sustainability and life cycle assessment, materials selection by digital data analysis and artificial intelligence, materials modeling and simulation, and new nanomechanical and in-situ testing approaches.

The EuroSuperalloys 2022 follows the very successful symposium, which took place in Wildbad Kreuth, Germany (2010), Giens, France (2014) and Oxford, UK (2018).

A honorary symposium "Insights into superalloys with electron microscopy" will be organized for Prof. Catherine M.F. Rae, University of Cambridge, UK, to honor her outstanding scientific contributions on the microstructure and deformation mechanisms of superalloys and her long lasting support of the superalloy community.



**Mathias Göken**

Chair of Conference,  
Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU)

### TOPICS

- Ni-base superalloy development and new trends
- Co-base and other new alloys systems
- Fatigue and creep behavior
- Deformation mechanisms
- Nanomechanical and in-situ testing approaches
- Recrystallization, processing defects and microstructural degeneration
- Coatings, oxidation and environmental effects
- Additive manufacturing and processing
- Sustainability and life cycle assessment including repair/refurbishment,
- Materials selection and characterization by digital data analysis and artificial intelligence
- Materials modelling and simulation

### CONFERENCE VENUE

The Welcome Kongresshotel Bamberg has been specifically designed for congresses and conferences and is expecting you with an impressive architecture. Directly connected to the brick building, a protected monument, by the banks of the river Regnitz, only a few minutes from the historical old town of Bamberg.

A single rooms is available at the WELCOME Kongresshotel Bamberg at a price of 124 € per night including breakfast. The rooms can be booked using the keyword „SUPER22“ via the booking link available on our website.



Welcome Hotel Bamberg

[dgm.de/eurosuperalloys](https://dgm.de/eurosuperalloys)



#### Conference Office

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## LOCAL ORGANIZING COMMITTEE



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- **Christopher Zenk**,  
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## BOOK YOUR PARTICIPATION NOW

### ON-SITE TICKET

Limited number of participants. First come, first serve! These tickets cannot be booked separately without a catering package!

TICKET

€ 899

### ON-SITE TICKET - YOUNG SCIENTISTS

REGULAR

€ 599

Bachelor, Master and PhD Students up to 30 years (proof required)

### ONLINE TICKETS

REGULAR

€ 399

Prices include VAT

On-site tickets include:

**Access to the event on site** as well as to the virtual platform incl. all features. **Present your contribution live on site.** Your presentation can be followed by all participants on site and online. **Participate in the on-site program and exchange ideas with the participants.** Exchange information with **online participants in virtual chat rooms.** Watch all **presentations on-demand for up to 14 days** after the event. **Get access to the on-site and virtual exhibition. Catering package incl. coffee break, lunch and conference dinner.**

Online tickets include:

**Access to the virtual platform** of the event including all features. **Present your paper live via the virtual platform**, directly from your computer. Your presentation can be followed by all participants on site and online. Participate online in the lecture program and **exchange information with the participants in virtual chat rooms.** **View all poster presentations via our virtual platform** and ask the authors your questions. **Watch all presentations with the online time-shift function or on-demand for up to 14 days.** **Access to the virtual exhibition.**

Disclaimer

Overnight stays are not included in the price of the on-site tickets and need to be booked separately. The general terms and conditions apply, which can be found at the conference website. If your submission request cannot be fulfilled, cancellation is free of charge.

### IMPORTANT DATES

13 January 2022	Start of submission
28 February 2022	Submission Deadline (For abstract submission - lecture/oral-poster)
31 March 2022	Authors Confirmation
April 2022	Preliminary Program



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