Conférence Organisation:
Sabine Martens Tel: +49 711 685-63073
(sabine.martens@mpa.uni-stuttgart.de)
Daniela Dosch Tel: +49 711 685-63063
(daniela.dosch@mpa.uni-stuttgart.de)

45th MPA-Seminar
October 1st - 2nd, 2019

Submission Instructions
- Abstract submission: May 15th, 2019
- Author notification: June 6th, 2019
- Final paper deadline: August 30th, 2019
- The abstract should not exceed one A4 page
- Please use the template on the conference website
- Send your abstract to: sabine.martens@mpa.uni-stuttgart.de
- For each lecture there is a speaking time of 25 minutes plus 5 minutes for discussion. The conference language is English

Conference Fees
€ 750.- Both days
€ 375.- Speaker/Chairman both days
€ 375.- Poster exhibitor both days
€ 450.- Day ticket
€ 110.- Retirees both days
€ 65.- Retirees one day
free Students

The conference fee includes the proceedings (booklet with abstracts and USB flash-drive with the manuscripts), refreshment and luncheons during the seminar as well as the evening reception.

Conference Website
https://seminar.mpa.uni-stuttgart.de/s-2019

Venue
FILDERHALLE
Bahnhofstraße 61
70771 Leinfelden-Echterdingen
Germany
http://filderhalle.de

Accommodation
A contingent of rooms will be available in hotels near the venue and the city of Stuttgart. You will find more information on the conference website soon.

General Information
Pictures will be taken during the whole conference and will be published on the conference website. If you do not agree with a publication please contact us.

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4 Seminareth MPA
October 2nd 2011
Fit for Future
Call for Papers

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Fit for Future - Advanced Manufacturing Technologies, Materials and Lifetime

New and advanced manufacturing technologies as well as the future energy generation pose a great challenge on the development of advanced materials, their properties and on the safety and reliability of components. Therefore, this year’s MPA-Seminar will put a focus on additive manufacturing and joining technologies and their requirements on materials and processes. Questions of design, use of resources and optimized behavior will also be a subject. Another focus will traditionally be on questions of the future energy generation and the resulting requirements concerning sustainability, safety and maintenance of conventional and renewable power plants. We invite you to contribute with your expertise to the MPA-Seminar 2019 and to submit an abstract for oral presentation or poster. On the right, you find the main topics and their subpoints. Take the opportunity to communicate and discuss your research and findings to the community.

If you are interested to present your company’s products and services, you can either exhibit these during the conference or place an advertisement in the conference proceedings. Please contact the organizing team.

As in previous years, the conference will bring together experts from industry, research and institutions from around the world – We would be pleased if you decide to be a part of it!

Prof. Dr.-Ing. Stefan Weihe
Dr.-Ing. Andreas Klenk

Additive Manufacturing
- Safety Relevant and Highly-loaded Components
- Metallic Materials
- High Strength Aluminum-Alloys
- High Temperature Nickel-Alloys
- High Performance Steel-Alloys

Welding and Joining
- Dissimilar Welds
- Process Development and Qualification of Bolded and Brazed Joints
- Tailor Welded Blanks
- Design and Evaluation of Welded Joints
- Qualification of Weld Materials

Safety and Reliability of Components
- Integrity and Life Assessment
- Fatigue Behavior and Ageing Management
- Non-destructive Testing
- Detection and Leakage Behavior

Materials for New Energy Solutions
- New Developments in High Temperature Materials
- Creep and Fatigue Performance of Martensitic Materials
- Damage Mechanisms and Microstructural Changes
- Influence of Hydrogen on Material Performance
- Corrosion Fatigue and Stress Corrosion Cracking

Life Assessment and Operation of Conventional and Renewable Energy Systems
- Component Life Assessment under Flexible Operation Modes
- Monitoring and Advanced Condition Analyses
- Optimized Operation and Maintenance Strategies
- Risk-Based Inspection and Maintenance