

Organizers



**School of Engineering
Sciences & Technology,
University of Hyderabad**



**Chair for Material Systems
for Lightweight Vehicle
Construction,
University of Siegen**



**Research & Development
Centre,
JSW Steels Salem Works**



**Mubea Fahrwerksfedern
GmbH, Weißensee**

Conveners

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Preamble

Steel is an important and indispensable structural material in automotive sector. In a continuous effort to make light weight vehicles without compromising on efficiency, there have been several recent scientific and technological developments in the automotive steels. New grades of high strength steels (HSS) are being adapted while considering light weight, optimal design, safety emissions and efficiency. Therefore there is a need to understand the current trends and state of the art in steel development, fabrication and manufacturing technologies, microstructural development, mechanical properties, design, safety, fuel economy etc. Hence a workshop is planned to discuss these trends in various steel grades that are currently employed in automotive vehicle manufacturing.

Themes

- Steel Making & Hot Forming
- Characterization
- Low Temperature Creep
- Fatigue Behaviour



IGWAAS - 2021

Indo-German Workshop (web based)

Advanced Automotive Steels

04-05 March, 2021

Steel Making & Hot Forming

- Dr. G. Balachandran
JSW Steel, Vijayanagar Works, India
- Dr. S. Manjini
JSW Steel Salem Works, India
- Prof. K. Narasimhan
Indian Institute of Technology Bombay,
India

Characterization

- Prof. Satyam Suwas
Indian Institute of Science Bengaluru,
India
- Prof. Koteswararao V. Rajulapati
University of Hyderabad, India
- Prof. S. Sankaran
Indian Institute of Technology Madras,
India

Low Temperature Creep

- Prof. Bo Alfredsson
Royal Institute of Technology, KTH
Sweden
- Mr. Mathias Münch
Mubea Motorkomponenten GmbH,
Germany
- Mr. Nagarjuna Remalli
Universität Siegen, Germany

Fatigue Behaviour

- Prof. H. J. Christ
Universität Siegen, Germany
- Prof. Tilmann Beck
Technische Universität Kaiserslautern,
Germany
- Mr. Alexander Tump
Mubea Fahrwerksfedern GmbH,
Germany

Web platform

The web-platform details will be provided soon to the registered participants.

Registration

Participants need to be registered through the link given below. There is no registration fee. Web-link details will be provided to registered participants only.

<https://forms.gle/5MgwdAT5HSjVA47BA>

e-participation certificates will be given to the participants at the end of the workshop.

Sponsored by

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