Organizing by

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

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 of HSS
- Characterization of HSS
- Low Temperature Creep of HSS
- Fatigue Behaviour of HSS

IGSTC
INDO-GERMAN SCIENCE AND TECHNOLOGY CENTRE

IGWAAS - 2021

Web based Workshop

Indo-German Workshop

Advanced Automotive Steels

04-05 March, 2021

Day 1: March 4, 2021

Session 1: Steel Making & Hot Forming of HSS

- 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

Session 2: Characterization of HSS

- 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

Day 2: March 5, 2021

Session 3: Low Temperature Creep of HSS

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

Session 4: Fatigue Behavior of HSS

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