

INDO-GERMAN SCIENCE & TECHNOLOGY CENTRE

A Bilateral Institution of Government of India (DST) and Federal Ministry of Education and Research (BMBF), Germany

IGSTC WORKSHOP WSM 2022



Indo-German Joint Scientific Workshop on “Similar/Dissimilar Materials Welding of Automotive & Aerospace Sectors (WSM 2022)”

|| 22-24 September 2022, Thursday - Saturday || 9:00 AM IST

The Indo-German Science & Technology Centre (IGSTC) is established to facilitate Indo-German R&D networking through substantive interactions among government, academia/research system and industries, thus forecasting innovation for economical and societal developments in both the countries.

Indo-German Science & Technology Centre (IGSTC) is hereby accorded for hosting the Indo-German bilateral workshop on **“Similar/Dissimilar Materials Welding of Automotive & Aerospace Sectors (2022)”** to be organized by Vellore Institute of Technology, Vellore during 22nd to 24th September 2022. This bilateral Indo - German workshop provides an ideal platform to discuss the challenges in the similar / dissimilar welding of superalloys, special steels, composite and polymers widely used in the automotive, aerospace and allied sectors. The workshop will also address the novel, latest technologies for characterising the weld joints. This workshop will provide the audience an opportunity to identify work on multi-disciplinary research areas.

Workshop Coordinators

Dr. M. Manikandan
Associate Professor
School of Mechanical Engineering
Vellore Institute of Technology, Vellore
Email: manikandan.manoharan@vit.ac.in

Dr. Bernd Kuhn
Forschungszentrum Jülich GmbH
Jülich, Germany
Email: b.kuhn@fz-juelich.de

Convenor

Dr. K. Devendranath Ramkumar
Professor & Dean
School of Mechanical Engineering
Vellore Institute of Technology, Vellore
Email: dean.smec@vit.ac.in

About VIT

Vellore Institute of Technology (VIT) was founded in 1984 as Vellore Engineering College by Honourable Chancellor Dr. G. Viswanathan. VIT attracts students from all the states and union territories of India with more than 55 countries due to its academic excellence. The curriculum enables students to think innovatively through applied learning practices. Innovations like Fully Flexible Credit System [FFCS], Project-based Learning [PBL], entirely digitized academic portals and Hackathons assist students in equipping themselves for job skills and kindle their interest and curiosity, thereby molding them to be better problem solvers. VIT has strong tie-ups with Industries as well as to universities of national and international repute. These Memoranda of Understandings provide students with more significant opportunities to pursue higher education in their fields of interest. VIT also encourages new ideas, patents and continuously supports entrepreneurial activities. VITAA [VIT Alumni Association] has more than 85,000 alumni across the globe in all industries and strives as a backbone supporting teaching, learning, collaborative research and placements. The national and international clubs and chapters at VIT provide arenas for the students to think out of the box and excel in co-curricular and extra-curricular activities. VIT has been recognized as the “Institution of Eminence” by the Govt. of India and accoladed with A++ Grade by NAAC, MHRD, Govt. of India.

VIT Information: www.vit.ac.in

About School of Mechanical Engineering

The school of Mechanical Engineering is one of the oldest and the most prestigious schools of VIT. This school started functioning right from 1984, the year in which our institution began. The school of Mechanical Engineering offers 3 undergraduate and 6 post-graduate programs. The school has got a team of highly qualified faculty members, many holding PhDs from the elite institutes across the globe, to teach and train the best minds of this country. The pride of the school lies in the significant research funding received from several National and International agencies such as DST, DRDO, MNRE, CSIT, CVRDE, CPDO, IE, AR&DB, BRNS, ISRO, UGC, NRB, Royal Academy of Engineering, etc. The DST, Govt of India has recognized the school for its research activities and supported it in 2003 and 2010 under the FIST scheme. The school has modern facilities, enabling cutting-edge research in a wide spectrum of niche technological areas. Mechanical and Manufacturing Engineering is ranked within the top 9 in India and top 301-350 in the world as per QS World University Rankings by Subject 2022.

About Forschungszentrum Jülich

Conducting research for a changing society. This is the mission of more than 6,800 employees working hand in hand at Forschungszentrum Jülich, including 672 visiting scientists from 62 countries. We want our research to have an impact. That's why we conduct research into the fundamentals, technologies, and systems of a digitized society, a climate friendly energy system, and a resource efficient economy. Natural, life and engineering sciences in the fields of information, energy and the bioeconomy are closely linked with our specialist expertise in high performance computing and benefit from the use of unique scientific infrastructure. We are one of the largest interdisciplinary research institutions in Europe and contribute to solving the grand societal challenges of our time as a member of the Helmholtz Association.

Forschungszentrum Jülich holds strong collaborations with leading research institutions around the globe and is an integral member of numerous strategic partnerships as well as European Research Infrastructures. The scientific methods and instruments set up, operated and developed by Forschungszentrum Jülich and its partners are a perfect match for our scientific spectrum and our interdisciplinary approach. Institutions such as the Jülich Supercomputing Centre, the Helmholtz Nano Facility and the Ernst Ruska Centre for Microscopy and Spectroscopy with Electrons (ERC) are world class infrastructures that complement each other and which are also available to external researchers.

At Jülich, internationally outstanding post docs are given the opportunity to establish their own young investigators group. In 2021 there were 17 young investigator groups at Forschungszentrum Jülich, three of them international, six of the group heads held junior professorships and two held W 2 professorships, one held a W 3 professorship and four were funded by the EU with an ERC Starting Grant. In 2020 Forschungszentrum Jülich acquired third party funds totalling 368 million Euros.

Jülich Information - <https://www.fz-juelich.de/>

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