

About BITS Pilani University

The Birla Institute of Technology & Science Pilani (BITS Pilani) is a multi-locational University with three campuses in India (Pilani, Goa and Hyderabad) and one international campus in Dubai (U.A.E). During its six decades of existence as a University, BITS Pilani has established strong linkages with industries, R&D organizations and financial institutions through its university-industry linkage programs, such as Work Integrated Learning Programmes (WILP) and Practice School (PS-I & PS-II).

About WILP, BITS Pilani

The Work Integrated Learning Programmes (WILP) is a variant of the conventional mode of education, leading to formal degrees, but meant exclusively for working professionals, offered in collaboration with the industry, integrating their authentic work experience with formal classroom learning to enable them to remain relevant and grow in their career, while setting them on the path of lifelong learning. BITS Pilani has been offering undergraduate and masters programs in CSIS, Core Engineering, Management and other disciplines over several decades benefitting over 500 organizations and 45,000 working professionals.

About Mechanical Engineering Department, BITS Pilani Hyderabad

The Mechanical Engineering Department at BITS Pilani Hyderabad was established in the year 2008. Currently, the Department is offering B.E (Hons.) in Mechanical, M.E in Design Engineering, Mechanical Engineering and Manufacturing Systems Engineering as well as Minor programs in Robotics and Automation, and Aeronautics. The faculty members and research scholars (doctoral and masters) are extensively involved in the government and industry sponsored research projects on various aspects of Engineering and Manufacturing processes as well as advanced Technologies and xMaterials used across the industry sectors.

About CRENS

Center for Research Excellence in National Security (CRENS) established at BITS Pilani, Hyderabad campus to foster collaboration between BITS Pilani and various stakeholders of National Security domain for Research, Innovation and Skill Development with aim of addressing critical challenges and contribute to National Security Apparatus.

About IIW India

The Indian Institute of Welding India (IIW India), a representative body of professional welding engineers in India, is involved in the advancements of Welding Science and Technology within the country. The IIW has been recognized as an authorized national body to carry out certification programs of the International Institute of Welding (IIW).

About IIW India, Hyderabad Branch

The IIW, Hyderabad Branch, the 13th branch of IIW India, has been formed in May 2014 to create a forum for interaction and knowledge sharing among the professionals, R&D personnel, academicians, and students of Telangana State involved in the field of welding and allied technologies.

Who Should Attend?

Academicians (faculty members and research scholars), Scientists and technicians (R&D laboratories), Practicing Engineers and Consultants from industries (automotive, aerospace, defense, space, marine and medical).

Sponsorship

Consultants and suppliers from Indian companies are invited to participate and sponsor the conference. Please visit conference webpage for further details.

Important Dates

| | |
|--|--------------------|
| Call for submission of Extended Abstracts: | Nov. 15, 2024 |
| Last date for submission of Extended Abstracts: | Dec. 22, 2024 |
| Notification of Accepted Abstracts: | Jan. 1 - 7, 2025 |
| Last date for submission of Manuscripts: | Jan. 31, 2025 |
| Notification of Accepted Manuscripts: | Jan. 16 - 31, 2025 |
| Last date for submission of Revised Manuscripts: | Feb. 15, 2025 |
| Registration start date: | Dec. 15, 2024 |
| Registration end date: | Feb. 15, 2025 |

Extended Abstracts – Compulsory Submission

Peer reviewed and accepted abstracts will be recommended for oral and/or poster presentations. All accepted and presented abstracts will be published as conference proceedings.

Manuscript (full length paper) – Optional Submission

Manuscript submission is optional. However, peer reviewed and accepted manuscripts will be recommended to Scopus journal, preferably Springer publisher. The authors will be consented before recommending the manuscript for publication, and it may be a subscription based (free of cost) and/or an open access (paid, but discounted) journal. For further details, please check the conference webpage.

Registration Fee

Registration fee for individuals, as per the following;


| | |
|----------------------|--------|
| • UG and PG students | ₹2,500 |
| • Doctoral scholars | ₹3,500 |
| • Faculty members | ₹4,500 |
| • IIW India members | ₹4,000 |
| • Non IIW Members | ₹5,000 |

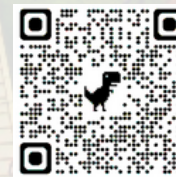
* Please visit the conference webpage and complete the registration process.

Webpage Link

<http://ncwambitshyderabad.com>

How to Reach Us

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2-DAY NATIONAL CONFERENCE ON CHALLENGES IN WELDING AND ADDITIVE MANUFACTURING

FEBRUARY 27-28, 2025

ORGANIZED BY



BITS Pilani
Pilani | Dubai | Goa | Hyderabad | Mumbai

WORK INTEGRATED
LEARNING PROGRAMMES

IN COLLABORATION WITH

DEPT. OF MECHANICAL ENGINEERING, BITS PILANI
HYDERABAD

UNDER THE AEGIS OF



IIW-India
Hyderabad Branch

Venue

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Hyderabad Campus**



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About the conference

This conference aims to bring together, the researchers, faculty members, scientists and practitioners from academia, R&D institutions and industries, and exchange experiences, disseminate up-to-date information, the challenges involved and explore new collaborative opportunities in the broad research areas of welding and additive manufacturing technologies. The proceedings include invited talks by distinguished scientists from the national R&D laboratories, faculty members from premier institutions and industry experts as well as paper presentations (oral and poster). Overall, this would serve as a platform for young researchers to meet and discuss with experts and get motivated further to produce high quality research in the coming decades, aiming to undertake funded research projects as part of national initiatives.

Scope of the conference

The assessment of quality and life of the welded joints and additively manufactured components through experimental testing and characterization techniques towards the property-structure correlations, as well as modelling and simulation techniques for the thermomechanical-material flow-metallurgical phenomena towards the off-line process optimization, quality enhancement and savings in terms of materials and resources.

Invited speakers

- **Dr. M. Vasudevan** (*IGCAR, Kalpakkam*)
- **Prof. Satish Vasu Kailas** (*IISc, Bangalore*)
- **Prof. G. Madhusudhan Reddy** (*NIT Warangal*)
- **Prof. Archana Sharma** (*Dist. Professor, IIIT Naya Raipur*)
- **Prof. Murugaiyan Amirthalingam** (*IIT Madras*)
- **Prof. S. Suryakumar** (*IIT Hyderabad*)
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- **Prof. Shyamprasad Karagadde** (*IIT Bombay*)
- **Prof. Mahesh Kumar Talari** (*NIT Warangal*)
- **Prof. R. Lakshmi Narayan** (*IIT Delhi*)
- **Prof. Abhik N. Choudhury** (*IISc, Bangalore*)
- **Prof. Jyotsna Dutta Majumdar** (*IIT Kharagpur*)
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- **Shri. Subrata Karmakar** (*ABB India, Bangalore*)
- **Shri. N. Soppayya** (*Apollo Heat Exchangers, Tarapur*)
- **Shri. K. N. Vishwanath** (*Wabtec Corporation, Bangalore*)