

National Conference on Challenges in Welding and Additive Manufacturing (NCWAM-2025)

27th & 28th February 2025

Day - 1 & Day - 2: Poster Presentations

Date: 27.02.2025

Venue: Auditorium, 1st Floor

Time: 04:00 pm – 05:00 pm

Date: 28.02.2025

Time: 02:00 pm – 03:00 pm

Selection Committee for best poster paper: Confidential

Paper ID	Paper Title	Authors
042-abstract-NCWAM 2025	Effect of Surface-active flux on Bead geometry in AISI 304 Stainless steel deposited using Submerged arc welding	<u>P.V.S.S Sridhar</u> , Srikant Prasad, Dhanashri Ganore, G.Rameshwar Rao , Pankaj Biswas, Pinakeswar Mahanta
045-abstract-NCWAM 2025	Development of Profile Welding Machine for Nuclear applications	<u>B. V. Arun Kiran</u> , G. V. Sathya narayana, N. Rajesh, A. Maruthi Ram, Dr. Komal Kapoor
056-abstract-NCWAM 2025	Investigation on microstructure and mechanical properties of nickel iron-based superalloy joints by using rotary friction welding	<u>B. D. I. Premkumar</u> , N. Kishore Babu, Mahesh Kumar Talari
062-abstract-NCWAM 2025	Lightweight Machine Learning for Real-Time Defect Detection and Categorization in Industrial Welds	<u>Kavita Jaiswal</u> , Archana Sharma, Abhigyan Patnaik, Jhutukka Saaketh, Mohd Kaif, Shashi Tiwari
067-abstract-NCWAM 2025	Understanding of parametric correlation with the A-TIG weldments bead geometry through different machine learning techniques	<u>Abhishek Kochar</u> , Ravi Shanker Vidyarthi

023-abstract-NCWAM 2025	Challenges and remedies associated with surface modification of wire arc additive manufactured components: a Review	Aman Pratap Singh, Raushan Kumar, <u>Alok Kumar Das</u>
047-abstract-NCWAM 2025	Challenges in Single Jet Sub-zero Additive Manufacturing Process	Sangram Khot, Chaitany Mhatre, Shubham Maurya, Ashwattha More, <u>Yogesh Patil</u> , Ashik Patel, K P Karunakaran
050-abstract-NCWAM 2025	Slicing and Area Filling Strategies for Layered Manufacturing Technologies	Bhimsen Karadin, Jayaprakash Sharma Panchagnula, <u>Rakesh Lingam</u>
051-abstract-NCWAM 2025	DMA analysis of PEEK printed parts using material extrusion based additive manufacturing	Bhagwan Satyavrath Lopinti, <u>Jayaprakash Sharma Panchagnula</u>
058-abstract-NCWAM 2025	Machine Learning Based Identification of Defects in Selective Laser Melting	S Ramanujam, Bhagwan, Ramesh Bonam, G Gopi, <u>John Rozario Jegaraj</u>
069-abstract-NCWAM 2025	Virtual Digital Twin Framework for Optimizing Additive Manufacturing of High-Performance Cooling Inserts in Pressure Die Casting	<u>Prakruthi Hareesh</u> , Arunkarthik Thangaraj

Notes:

- *Posters must be displayed by 10 am, and on both the days. **Best poster will be selected by the selection committee**, and it will be announced during the valedictory session on Day-2.*

(Organizing Committee, NCWAM-2025)