7 Days High – End Workshop on

Wire Arc Additive Manufacturing - Theory & Hands-on training

24th June – 30th June, 2023

(Under the Karyashala – Accelerate Vigyan Program of SERB, Govt. of India)

Organized by

Department of Mechanical Engineering

Indian Institute of Technology Indore

Madhya Pradesh, India

No Registration Fees

About Karyashala

The objective of "KARYASHALA" is to provide a platform for participants from research and academic institutions to acquire hands-on experience in the operation and troubleshooting of advanced scientific equipment, as well as other pertinent skills necessary for research. The program is designed to foster the development of enthusiastic participants and researchers with a strong desire to achieve success in scientific and technical research.

About the Program

Additive manufacturing (AM) is a layer-by-layer technique of manufacturing 3D objects directly from a digital CAD model. The Wire Arc Additive Manufacturing technology is one of the AM methods that is highly suitable for fabricating large complex parts due to its high deposition rates. The objective of the program is to enhance the technical knowledge of young researchers in AM, especially related to the WAAM. This proposed program will focus mainly on fabrication (Hands-on training) and applications of additive technologies for making functional & structural parts. Students will be given case studies on the development of alloys using WAAM in order to understand all the practical challenges involved and how to overcome them for the best quality deposition and enhanced properties.

About IIT Indore

Indian Institute of Technology Indore (IIT Indore), is an institute of national importance located in the state of Madhya Pradesh was established by the Government of India in 2009. IIT Indore campus spreads over an area of around 500 acres. The institute is equipped with world class research infrastructure, with renewed faculty members. Emphasis of the Department of Mechanical Engineering is to employ scientific and engineering methodologies to advance fundamental knowledge and practical applications to find amicable solutions for the real-world problems and work on the cutting-edge research problems that will benefit the society in large.

Who Can Apply?

Highly motivated PG/PhD students from any recognized university/institute of India interested in enhancing their knowledge in the area of additive manufacturing, preferably from the specializations of Mechanical, Manufacturing, Production and Materials or any other equivalent specializations of engineering and science are eligible to apply.

Selected Speakers

Dr. Dan Sathiaraj
Assistant Professor
ME, IIT Indore

Dr. C P Paul
Head, Laser AM,
RRCAT, Indore

Dr. N K Jain
Professor
ME, IIT Indore

Dr. I A Palani
Professor
ME, IIT Indore

Dr. E P Korimilli
Associate Professor
MEMS, IIT Indore

Dr. Jayaprakash M
Associate Professor
MEMS, IIT Indore

Dr. Yuvraj M
Assistant Professor
ME, IIT Indore

Important Details

Registration opens: 17th May 2023

Registration closes: 15th June 2023

No. of participants are limited to 25

- There is no registration fee
- List of shortlisted students will be intimated through email
- For outstation candidates to and fro sleeper class train tickets on shortest route will be reimbursed on production of tickets
- Accommodation and food on campus will be provided free of cost
- All participants will get a certificate on successful completion of the Karyashala

How to Register?

Please download the NOC from the link below

No Objection Certificate (NOC) Link

Applicants can fill the form by clicking the link below

Registration Link

Contact for Further Queries

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