30-Days Internship Opportunity at IIT Indore on Twin Wire Arc Additive Manufacturing of Advanced Novel Alloys - Design and Fabrication
(Under Accelerate Vigyan-Vritika Program
An Initiative by SERB, Govt. of India)
Organized by,
Dept. of Mechanical Engineering,
Indian Institute of Technology Indore
17th June-15th July,2023

ABOUT THE PROGRAM
Medium Entropy Alloys, consisting of multi principal alloy elements, have gained much attention and identified as novel alloys because of their design flexibility and superior properties. Recently, intensive investigations on functionally graded alloys and metal matrix composites using the twin-wire arc additive manufacturing (T-WAAM) process have been done. The objective of internship is to design and develop the optimum compositions of CoCrNi, CoFeNi medium entropy alloys by using the T-WAAM system. Also, hands-on training to related to microstructure and mechanical properties will be provided alongwith exposure to numerical simulation.

ABOUT IIT INDORE
Indian Institute of Technology Indore (IIT Indore) is a distinguished academic institution established in 2009 in Indore, Madhya Pradesh. The department of mechanical Engineering emphasizes on employing 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 benefits the society in large.

IMPORTANT INFORMATION
Eligibility: Highly motivated PG / PhD students from any recognized university from India interested to enhance their knowledge in the domain of T-WAAM of advanced novel alloys and their property evaluation.
Travel Expenses will be Reimbursed to the selected applicants upon producing the original third AC sleeper train/bus tickets as per SERB norms.
Accommodation for participants will be provided in the IIT Indore hostel with catering services for free.

IMPORTANT DATES
Internship Duration: 17th June-15th July 2023
Application Opens: 27th May 2023
Application Deadline: 10th June 2023
Number of Seats: 04
Location: POD 1B-401, IIT Indore

HOW TO APPLY
Applicants need to register using the Google form link: Application Form
Below is the link for NOC form: NOC
All the registered participants will be provided with the cerificate after successful completion of the program.

COURSE CO-ORDINATOR
Dr. Dan Sathiaraj,
Assistant Professor, Department of Mechanical Engineering, IIT Indore.
Email: dansathiaraj@iiti.ac.in, Phone:+91 8248812885
For queries, Please write to dansathiaraj@iiti.ac.in/ call: +918248812885