



Invited Speakers



Prof. Shi-Hoon Choi
Suncheon National University,
Suncheon, South Korea



Vijay Kumar Bindlish
Senior Vice President and Unit
Head at Jindal Stainless
Limited, Hisar



Prof. Vinod Kumar
Metallurgical Engineering
and Materials Science
IIT Indore



Patron

Prof. Narayana Prasad Padhy
Director, MNIT, Jaipur

Convenors

Prof. Rakesh Jain
Dean (International and Alumni Affairs)

Prof. M. L. Mittal
Dean (R&C)

Prof. T. C. Gupta
Head, MED, MNIT Jaipur

Bank details

A/c Name: Registrar (Sponsored Research),
MNIT Jaipur
A/c no : 676801700388
Bank Name: ICICI Bank Ltd., MNITJ
IFSC Code: ICIC0006768

Registration Link :

<https://forms.gle/7mj3C9jaRc21LB7QA>

SPARC Sponsored, One Week International Workshop on

“Fundamentals of HEAs and its Application”

September 09th -13th, 2024

About the workshop

The objective of this workshop is to systematic and comprehensive description of high-entropy alloys (HEAs). The summarize key properties of HEAs from the perspective of both fundamental understanding and applications, which are supported by in-depth analyses. The workshop also contains computational modeling in tackling HEAs, which help elucidate the formation mechanisms and properties of HEAs from various length and time scales. From an application viewpoint, the attractive properties of HEAs can bring about great opportunities for many new applications. As motivated by the unresolved fundamental issues and promising properties of HEAs, the sub-themes are to be covered in this workshop.

Course Contents

Thermodynamics and statistic mechanics of HEAs, Atomistic simulations on HEAs, Stacking fault energy in HEA, Dislocation dynamics and deformation mechanisms in HEAs, Fracture of HEAs, In-situ micro- and nano-mechanics of HEAs, Refractory High-entropy alloys, High entropy metallic compound, Dealloying in HEAs, Low dimensional HEAs (HEA nanowires), HEAs as thermoelectric materials, Precious metal HEAs, HEAs as alternative binder for hard metals, HEAs as hydrogen storage materials, HEAs as superconducting materials

Target Audience

- Basic and applied scientists, executives, engineers and researchers from Manufacturing, Industries, government agencies, and R&D laboratories.
- Student at all levels (UG/PG) or Faculty from academic Institutions and Scientific Labs.

Course Fee

	Fees	GST (18%)	Total
Students (B.Tech./M.Tech. /PhD)	₹1000	₹180	₹1180
Faculty	₹2000	₹360	₹2360
Industry Professionals	₹3000	₹540	₹3540

Registration Deadline: 05/09/2024

CONTACT US

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