





Theme:

Smart NextGen PAMFP: Sustainable Materials and Green Manufacturing

Conference Venue: IIT Hyderabad, India

Conference Brochure

www.iapmfp.org/2024









Welcome Message

Dear "Valued" Colleague,

On behalf of the organizing committee, the International Association for Processing of Materials and Fabrication of Products (IA-PMFP), in collaboration with IIT Hyderabad, India, we extend a warm and enthusiastic welcome to participate in the 30th International Conference on Processing of Advanced Materials and Fabrication of Products (PAMFP).

This event marks the 30th in a prestigious series, with the most recent conference held in India. At IIT Hyderabad, we are committed to ensuring an excellent experience that spans the domain of education, enabling and ensuring enlightenment and excellence for all participants and attendees.

We are expecting to host more than 300 participants. In addition to plenary talks, this scholarly technical conference event will have a healthy combination of the following: (i) technical sessions, (ii) poster sessions, (iii) panel discussions, (iv) industry-academia interaction, (v) awards ceremony, and (vi) cultural programs.

In keeping with the tradition of previous conferences, there will be ample time for each technical presentation and the discussions that follow.

We have also planned a tour of nearby places of interest and inspiration, providing opportunities for continued discussions with the aim of initiating, nurturing, and promoting collaborations within the professional community, while also facilitating socialization.

The beginning of December is a particularly pleasant time in Hyderabad, with comfortable temperatures. Against the backdrop of beautiful weather, we eagerly look forward to your physical presence and enthusiastic participation in this significant scholarly event.



Prof. T. S. Srivatsan (President, IA-PMFP)



Prof. B. S. Murtv Director IIT Hyderabad

Sincerely,

Important Deadlines

Submission of Abstract

Abstract Acceptance Intimation 31 August'24

Full paper Submission

Early Bird Registration

Regular Registration

20 August'24 (Extended)

31 October'24

15 September'24 (Must for Presenters)

15 October'24







Plenary Speaker



Prof. Ramamoorthy Ramesh Rice University, USA

Keynote Speaker(S)



Prof. Andre Katterfeld Otto-von-Guericke Univ. Magdeburg, Germany



Prof. B. Vaidhyanathan Loughborough University, UK



n Prof. Eric MacDonald The University of Texas USA, Editor-in-Chief, Additive Manufacturing Letters, Elsevier Publishing



Prof. Gandham Phanikumar IIT Madras, India



Prof. Dr.-Ing. habil. Thorsten Halle Otto-von-Guericke-Universität Magdeburg, Germany



Prof. Satish V. Kailas IISc Bangalore India



Prof. Satyam Suwas IISc Bangalore, India



Dr. Sharad K. Pradhan THDC-Institute of Hydropower Eng. & Tec., Govt of Uttrakhand, India



Dr. Sheela Siddappa Kyndryl, India



Dr. Sujit Pillai Ministry of New and Renewable Energy, Govt. of India



Prof. Surya Kalidindi Georgia Institute of Technology, USA



Padma Shri Prof. Vaidya Balendu Prakash VCPC Res. Foundation, Uttarakhand, India



Dr. Vikas Kumar Former DMRL Director & Chairman ARDB DRDO, India

Invited Speaker(S)



Prof. Anbukkarasi Rajendran IIT Dharwad, India



Prof. Giampaolo Zuccheri University of Bologna Italy



Prof. Indrani Sen IIT Kharagpur, India



Prof. Shibayan Roy IIT Kharagpur, India



Dr. Shailesh K. Singh CSIR IIP Dehradun, India







Local Organizing Committee

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Prof. T. S. Srivatsan President, International Association for Processing of Materials and Fabrication of Products (IA-PMFP)

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Prof. Ashok Kamaraj Materials Science & Metallurgical Engineering, IIT Hyderabad India



Dr. Govind Narayan Sahu Mechanical Engineering IIT Tirupati India & IA-PMFP

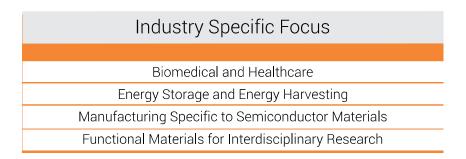


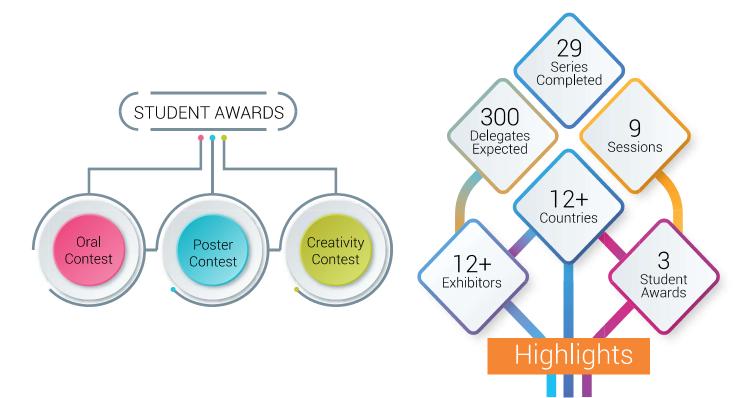




The "Theme" of this Scholarly Technical Event

- 1. Design and Manufacturing of Sustainable Materials, Process and Products
 - O Design and Manufacturing of Sustainable Materials, Process and Products
 - O Manufacturing of advanced materials for information technology (Semiconductors, Electronics, Energy)
 - O Innovations in materials and processing for aerospace, automotive, and defense applications
 - O Materials Informatics: accelerated design for processing of materials & products, process optimization, database modelling applications of AI/ML in processing of materials
 - O Smart Manufacturing: metal additive manufacturing, process monitoring and control
- 2. Sustainable Metallurgy and Energy-Efficient Materials for Transition & Decarbonization in Metal Manufacturing Sectors











IA-PMFP Executive Council (EC)/Board of Members

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Prof. T. S. Srivatsan
President, International Association for
Processing of Materials and Fabrication of
Products (IA-PMFP)

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Dr. Govind Narayan Sahu Indian Institute of Technology Tirupati (IITT), India







Topics

Topics Specific to the "World" of Materials

Materials and Processing				
O Biomaterials O Carbon-Carbon Composites O Ceramics/Ceramic-Matrix Composites O Energy Materials O Fuel Cell Materials O Functionally Graded Materials O High Energy Materials O Intermetallic(s) O Magnetic Materials O Metals and Metal-Matrix Composites	O Metallic Sponge and Foam Materials O Nano Materials and Nano Composites O Phase Change Materials O Polymer, Polymer-Matrix Composites O Porous Materials, Foams O Semi/Super Conducting Materials O Surface Coatings, Thin Films, Colloids O Self Healing Materials O Shape Memory Alloys			
Topics Specific to the "Marvels" of Manufacturing				
Manufacturing Technologies —————				
O Additive Manufacturing O Advanced Tribology O Artificial Intelligence and Machine Learning, IoT	O Advanced Sustainable Smart Manufacturing O MEMS/NEMS			
Modelling and Simulations ————————————————————————————————————				
O Materials Properties Predictions O Process - Microstructure - Property Relationship O Process and Defect Formation				

Industry Specific Focus

- O Biomedical and Healthcare
- O Energy Storage and Energy Harvesting
- O Manufacturing Specific to Semiconductor Materials
- O Functional Materials for Interdisciplinary Research (Health, Phytochemicals, Agriculture, and Environment







Registration

Registration Fee

		Upto 15 September'24 (Early Bird) (Must for Presenters)	Upto 15 October'24 (Regular)	Late Registration
Indian (INR)	Research Scholars / Students	₹ 6,000	₹ 7,500	₹ 9,000
	Delegates (Academic - Faculty, PDF & Public Sector R&D)	₹10,000	₹12,000	₹15,000
	Delegates (Non Academic - Industry)	₹12,500	₹ 15,000	₹18,000
	Spouse/Accompanying	₹ 6,000	₹7,500	₹ 9,000
Foreign (USD)	Research Scholars / Students	\$ 300	\$ 400	\$ 500
	Delegates (Academic - Faculty, PDF & Public Sector R&D)	\$ 400	\$ 500	\$ 600
	Delegates (Non Academic - Industry)	\$ 500	\$ 600	\$ 700
	Spouse/Accompanying	\$ 300	\$ 400	\$ 500

N:B:

Registration fees exclusive of 18 % GST Registrations are accepted online only Banquet will be included in the registration fee only.



Sponsorship and Exhibition

For sponsorship opportunity, please contact secretariat@iapmfp.org

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For Sponsorship details Click here

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About Indian Institute of Technology, Hyderabad

Indian Institute of Technology Hyderabad (IIT Hyderabad), established in 2008, is a premier institute known for its emphasis on research and innovation. Located in the vibrant city of Hyderabad, this institute has quickly gained a



reputation for excellence in science, engineering, and technology education. IIT Hyderabad offers a diverse range of undergraduate, postgraduate, and doctoral programs, fostering an environment of interdisciplinary collaboration and cutting-edge research.

The campus boasts state-of-the-art facilities, a dynamic academic community, and a commitment to nurturing future leaders and innovators. With its strong industry connections and focus on real-world applications, IIT Hyderabad continues to make significant contributions to the global academic and research landscape.

A 'Quick' Overview of IA-PMFP

International Association for Processing of Materials and Fabrication of Products (IA-PMFP), which was initially established and started as a conference series in 1991 and registered under guidance of Professor Dr. T.S. Srivatsan from The University of Akron [Akron, Ohio, USA] under the Companies Act, 2013 (18 of 2013).



The Conference Series has over the years, spanning three decades, been held at the following nations: (i) Hong Kong, (ii) India, (iii) Japan, (iv) New Zealand, (v) Singapore, (vi) Sweden, and (vii) USA.

The founding president of the Association is Professor (Emeritus) Dr. T.S. Srivatsan from The University of Akron [Akron, Ohio, USA].

For additional details, please go through the website https://iapmfp.org/about.html.

Contact us

Organizing Secretaries

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Conference Secretariat

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