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DELHI TECHNICAL CAMPUS

Affiliated to GGS IP University, New Delhi & Approved by AICTE & Council of Architecture

International Conference

on

Futuristic Trends In Materials and Manufacturing

26-27 October 2018



Publication Partner



Conference Venue

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Promoted by the founders of Mayoor School, Noida (in collaboration with G C MAYO College, Ajmer), Delhi Technical Campus provides the most sought after programmes affiliated to Guru Gobind Singh Indraprastha University and approved by AICTE. The Institute imparts technical education in the fields of Engineering, Architecture and Management, and maintains a young and vibrant all-round approach to ensure that the Delhi-Tech experience is high quality and most constructive by nature. Guru Gobind Singh Indraprastha University is a public, professional University located in Delhi, India. Founded in 1998, it is a teaching-cum-affiliating University which has been graded 'A' by NAAC Accredited University.

ABOUT MAE DEPARTMENT

The Department of Mechanical Engineering offers four years B.Tech. Programme in Mechanical & Automation Engineering (MAE). The annual intake is 60.

Our aim is to provide a coherent education and intensive training program to the students in the MAE branch with adequate facilities in various laboratories and workshops. The Department comprises of well-qualified faculty, supporting staff and well equipped laboratories like Strength of Materials, Fluid Mechanics, I.C. Engines, TOM, Automobile Engineering, Heat Transfer, CAD, Flexible Manufacturing System & Robotics Lab. All the labs are equipped with latest experimental set-ups to fulfill the requirement of the course.

OBJECTIVE OF THE CONFERENCE

1st International Conference on Futuristic Trends in Materials and Manufacturing (ICFTMM-2018) is an international peer-reviewed academic conference. The conference seeks to provide a forum for a broad blend of high-quality academic papers in order to promote rapid communication and exchange between researchers, scientists, and engineers in the field of material science and manufacturing. The conference publishes original research articles, review articles and feature articles.

The ICFTMM 2018 is intended to act as a platform for academicians, research scholars and industrialists from different parts of the world to share their innovative thoughts and ideas in futuristic trends in materials and manufacturing. The conference will feature invited talks from eminent personalities, pre-conference tutorial/workshops and referred paper presentations.

CALL FOR PAPERS

Track 1 Advanced Materials

Composite Materials
Bio Materials
Polymers
Metal Matrix Composites
Composites, ceramics, polymers / processing

Track 2 Smart Materials

Shape memory alloys
Piezoelectric Materials
Multifunctional Smart Materials

Track 3 Advanced manufacturing

Computer-based manufacturing technologies: CNC, CAD, CAM, FMS, CIM Machining (traditional and non-traditional processes)
Rapid manufacturing technologies and prototyping, remanufacturing
Advanced welding processes (resistance welding, friction stir welding, etc)
Metallic alloys and metal casting
Tribology and surface engineering

Sustainable and green manufacturing
Machinability and formability of materials

Track 4 - Design & Industrial Engineering

Mechanisms and machines
Mechatronics and robotics
Computational mechanics / FEM modelling and simulation
Automation and control
Solid mechanics and structural mechanics

Track 5 Thermal & Fluid Engineering

Applied Thermodynamics
Heat transfer
Lubricants and lubrication
Heat treatments, microstructure and materials properties
Hydrostatic transmissions and pneumatic
Aerodynamics and fluid mechanics

PUBLICATIONS

Selected Papers will be published in Special issue of International Journal of Pure and Applied Mathematics (Scopus Indexed) (ISSN 1311-808)



Selected papers under Materials & Manufacturing domain will be published by Springer as a proceedings book volume.



All accepted and registered papers will be published in UGC Approved Journal:

International Journal of Applied Engineering Research (IJAER)
(ISSN 0973-9769)



KEY DATES

- Deadline for full length paper submission 20-Aug-2018
- Acceptance notification of paper 20-Sept-2018
- Deadline for Registration 25-Sept-2018
- Camera ready papers 25-Sept-2018

Template of Paper can be downloaded from conference website.

<http://icftmm.delhitechnicalcampus.ac.in/>

REGISTRATION

INDIAN AUTHORS

Category	Fee (INR)	
	UGC Journal	Scopus Journal
Students/ Research Scholar	3500	7000
Academic delegates	4000	8000
Industry Delegates	5000	10000

FOREIGN AUTHORS

Category	Fee (USD)	
	Academic/ Research Scholar	120
Industry & Others	160	400

KEY NOTE SPEAKERS

- **Dr. Shabina Mishra**, Mechanical Engineering, Higher College of Technology, Ras Al Khaimah Mens College, UAE
- **Dr. D. Buddhi**, Vice Chancellor Suresh Gyan Vihar University, Jaipur, India
- **Dr. G. N. Tiwari**, Professor, Indian Institute of Technology, Delhi, India
- **Dr. Indradeep Singh**, Associate Professor, Department of Mechanical & Industrial Engineering, IIT Roorkee
- **Dr. Pramendra Kumar Bajpai**, Assistant Professor, Manufacturing Processes & Automation Engg., NSIT, Delhi

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