

National Conference on
**ADVANCEMENTS IN
MATERIALS, DESIGN AND
MANUFACTURING METHODS**

29th & 30th March 2019

Registration form

(Print on A4 size paper)

1. Name (Block Letters)
(Dr./ Mr./ Ms.):
2. Designation:
3. Department:
4. Institution/Organization:
5. Address:
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.....
.....
6. E-mail:
7. Mobile/Tel. No.:
8. Areas of Research
interests:
9. Participation Type: Presenter Listener
[Tick]
10. Accommodation required: Yes No [Tick]
11. Registration fee details:
DD/Cheque No., Bank Name & Date:
Online Transaction ID, Bank Name & Date:

Place:

Date:

REGISTRATION

All interested delegates are invited to register for the conference. Please send the filled-in form at the earliest. The **registration fee** is kept as **Rs.2500/-**. Payments can be made as:

- **Option-1: DD/Cheque** in favour of 'Conference, NIT Rourkela' payable at NIT Rourkela SBI (IFSC code: SBIN0002109).
- **Option-2:** Credit/Debit/Internet banking Online transfer facility (@ A/c no. 36734418111).

A scanned copy of DD/Cheque/online transaction receipt may be mailed to the conference email amdmm2019@gmail.com along with their registration form. The accommodations will be provided at the institute guest houses on first come-first serve basis.

ACCOMMODATION

Accommodation will be provided on pre-request in the institute guesthouse. The guest house is located 10 km from Railway station. There is a dining hall along with refreshing rooms.

CONTACT DETAILS

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Convener,
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Mobile: 9556713217

National Conference on
**ADVANCEMENTS IN
MATERIALS, DESIGN AND
MANUFACTURING METHODS
(AMDMM 2019)**

29th & 30th March 2019

Organized by

Department of Mechanical Engineering



**National Institute of Technology,
Rourkela-769 008, Odisha, India.**

<http://www.nitrkl.ac.in>

ABOUT NIT ROURKELA

NIT Rourkela is one of the premier centres for teaching, research and industrial consultancy in the country. The institute has 22 departments and the campus is situated in lush green environment. Faculty members are engaged with various research projects from public and private sector agencies. Mechanical Engineering is one of the oldest Departments in the institute. The Department strives hard to train the students under Mechanical Science as well as those under interdisciplinary programs. The broad areas include Energy Conversion and Power Systems, Heat Transfer and Fluid Mechanics, Mechanics of Solids and Stress Analysis, Manufacturing Science & Industrial Engineering, Automatic Controls & Engineering Design. The design stream is now having PG and Ph.D. programs in various areas including materials, tribology, stress and vibrational analysis and robotics.

ABOUT THE DEPARTMENT

The department trains the students in Mechanical Science as well as those under interdisciplinary programs. The broad areas of interest in the Department include Mechanics of Solids and Stress Analysis, Dynamics and vibrations, Manufacturing Science & Industrial Engineering, Energy Conversion and Power Systems, Heat Transfer and Fluid Mechanics, Engineering Design and cryogenics. Department offers four streams of postgraduate programs: (i) Machine Design and Analysis (ii) Production Engineering (iii) Thermal Engineering and (iv) Industrial Cryogenics. The department has good number of laboratories with latest facilities.

SCOPE OF THE CONFERENCE

Today, material processing, design and manufacturing technology have become dominant disciplines in science and technology. New materials including functional composites, smart materials and several nanomaterials are finding different applications in various components. New methods of experimental and numerical characterization of these materials along with their fabrication issues and modelling concepts will be discussed in this two-day event. Invited lectures along with contributory paper presentation sessions will be arranged.

CALL FOR PAPERS

The conference includes specifically (but not limited to) the following fields of Mechanical Engineering.

- ❖ Biomaterials, Composite materials, Nano-composites, Multifunctional materials and nanotechnologies, etc., and their modelling using molecular dynamics, finite element analysis etc.
- ❖ Corrosion, Damage and fracture, Mechanical and physical properties, Testing and characterization, Tribology of advanced materials.
- ❖ Multi-scale modelling, Design Technologies, Sandwich technologies, Structural design, Health monitoring, vibration control, NDE technologies.
- ❖ Modelling and experimental studies on conventional and nonconventional manufacturing processes including additive manufacturing techniques, milling, drilling, turning super finishing operations, new welding methods etc., Precision Machining.
- ❖ Applications MEMS, energy harvesting, defense and security.

SUBMISSION OF PAPER

The program invites the academicians and practitioners to submit their original and unpublished work on the conference themes. An extended abstract with authors' affiliations should be submitted to conference mail id at: amdmm2019@gmail.com.

The final paper template will be sent to the corresponding authors through email.

Full Paper

One copy of full paper prepared in MS word should be sent to amdmm2019@gmail.com. The selection of paper will be intimated to the authors through email. The final manuscript should be submitted in the given template along with the registration form. All the received papers will be published in conference proceedings and will be considered for the possible publication in indexed journals after peer-review process.

IMPORTANT DATES

Extended date for abstract submission	10th March 2019
Full length paper as per template	20th March 2019