ABOUT THE NIRMA UNIVERSITY

Established in the year 2003, the Nirma University, Ahmedabad is a research-oriented, student-centric, multidisciplinary, not-for-profit state private university. Within a short period of its existence, it has emerged as a nationally renowned higher education institution. The University and its constituent institutes are highly ranked by different ranking agencies.

Nirma University is duly recognised by the University Grants Commission (UGC) under Section 2 (f) of the UGC Act. The University is accredited by the National Assessment and Accreditation Council (NAAC). The University is a member of Association of Indian Universities (AIU) and the Association of Commonwealth Universities (ACU). The university received the Centre of Excellence (CoE) status from the Government of Gujarat in January 2022.

Dr Karsanbhai K Patel, Chairman, Nirma Group of Industries and Nirma Education and Research Foundation (NERF), is the President of the Nirma University. Under his leadership, the University is expanding every passing year and moving from strength to strength.

Spread across the sprawling lush green 115-acre campus, the University has a host of institutes, departments and centres, including Institute of Technology, Institute of Management, Institute of Pharmacy, Institute of Science, Institute of Law, Institute of Architecture & Planning, Institute of Commerce, Institute of Design, Faculty of Doctoral Studies and Research, Centre for Advanced Instrumentation, Centre for Continuing Education, Centre for Entrepreneurship, Centre for Family Business and Entrepreneurship, Centre for Quality Assurance and Academic Development, Centre for Robotics and Automation and Centre for Excellence in Data Science. These institutions offer numerous undergraduate, postgraduate and doctoral programmes. Apart from these, the University also offers several certificates and diploma programmes.

ABOUT AHMEDABAD

Ahmedabad was named after Sultan Ahmed Shah, who founded the city in 1411. It served as the capital of Gujarat from 1960 to 1970. Located on the banks of the Sabarmati River, it has been the commercial capital of the state of Gujarat and was once renowned for its cotton textile mills. Ahmedabad is known for its rich history, culture, and hospitality. Notwithstanding its attraction as a business destination, Ahmedabad, the largest city in Gujarat remains steeped in history and has a wealth of historical attractions. Ahmedabad is also not far away from famous temples, various wildlife sanctuaries, the largest salt desert in the world (which is popular as a tourist destination between November and March) and beaches. The 1000-year-old Modhera Sun Temple is exquisite and is located two hours from Ahmedabad by road.

The Ahmedabad area, is known for the renowned Indian Institute of Management, National Institute of Design, Indian Space Research Organization, Physical Research Laboratory, Institute of Plasma Research and Entrepreneur Development Institute, amongst others.

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Director General, Nirma University

Patron
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Convener & Organizing Secretary
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16th International Conference on Materials Processing and Characterization
at
Institute of Technology
Nirma University, Ahmedabad
27th-29th June 2024

16th ICMPC Editors
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GRIET Hyderabad, India & Adjunct Professor, Victoria University Melbourne

Dr. K.M. Patel,
Institute of Technology, Nirma University

Dr. Nitin Kotkunde,
BITS Pilani Hyderabad Campus India

Dr. Mayur A. Makhesana,
Institute of Technology, Nirma University
Conference Topics

- Material Characterization (Room and at Elevated Temperatures)
- Sustainable materials
- Green Manufacturing
- Shape memory alloys
- Environmental aspects of traditional materials
- High strain rate deformation of Materials
- Bio-materials
- Advanced machining processes
- Advanced metal forming, bending, welding & casting techniques
- Alternate materials /material substitution
- Applications FEA
- Composite and Polymer Manufacturing
- Composites, Intermetallics
- Fabrication Process of Nano materials and Nano devices
- Functionally Graded Materials
- Future generation materials
- Heat Treatment
- High-Energy Beam Processing
- High-speed and Hybrid Machining
- Laser Based Manufacturing
- Material Testing
- MEMS Integration
- Meta materials
- Metallography
- Multi-Physics Coupling Simulation and Optimization
- Nano materials
- Non-destructive Examination
- Numerical Modeling and Simulation
- Optimization Techniques
- Powder Metallurgy and Ceramic Forming
- Recycling and re-manufacturing of Materials and Components
- SMART materials
- Super Alloys
- Thermally-Enhanced Processes and Materials

Registration

It is essential that at least one of the author of the accepted papers and register to participate in the conference, for including the papers in the special issue of the journal. Registration can be done by mailing the complete registration form along with the fee after receiving the acceptance of the paper.

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<tr>
<td>Regular Registration</td>
<td>Rs 11,500/-</td>
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<tr>
<td>Journal Papers</td>
<td>Rs 16,000/-</td>
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Your registration includes concurrent/Sessions of technical program, welcome breakfast, morning and afternoon refreshment breaks and lunch at the conference venue, paper presentation, attendance to all sessions, conference bag, certificate of presentation, complimentary city tour.

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Exhibition cum Sponsorship

An exhibition will be organized concurrently with the conference. The industries who are interested in showcasing their products, and equipment may contact the conference chairs. Two delegates sponsored by the exhibitors are allowed to participate in the conference without any extra fee.

Agencies are invited for being co-sponsors of the conference. Delegates will be allowed to attend the conference if any agency support the conference financially. For future details visit our website.