1st International Conference on Advancements and Recent Innovations in Mechanical, Production and Industrial Engineering

ARIMPIE 2015

April 10-11, 2015

Organized by Mechanical Engineering Department I.T.S Engineering College Greater Noida, Uttar Pradesh, India

in Technical Collaboration with Indian Society for Technical Education, New Delhi, India

ABOUT US

I.T.S - The Education Group is an 18 year old leading educational group of the country. It is an ISO 9001:2008 certified group offers 20 courses to its 8000 students in its 8 Institutes spread over 4 campuses, endowed with state-of-the-art infrastructure, all modern facilities and more than 700 distinguished faculty members. The Education group is a renowned and established educational group offering programmes in Management, IT, Dental, Engineering, Pharmacy and Biotechnology. PGDM programme offered by I.T.S is equivalent to MBA as certified by Association of Indian University (AIU) which is a rare recognition given to any such programmes in India. The Education Group offers nonprofit medical care to society through its two, 100 bedded fully equipped multi-specialty hospitals.

I.T.S - Engineering College is one of the premier Institutions in the field of Technical and Management Education was established in 2006. The institute is located at Knowledge Park III, Greater Noida in the National Capital Region. The institute is approved by All India Council for Technical Education, Ministry of HRD and Government of India and is affiliated to the Uttar Pradesh Technical University, Lucknow. In a short span of time the institute has grown from strength to strength and stands amongst the best engineering colleges in Northern India. The ITS Engineering College has academic departments in the area of Engineering, Management studies and M.Tech programmes.

ABOUT THE DEPARTMENT

The Mechanical Engineering Department of ITS Engineering College has the reputation of being among the finest in the state with a vision to be recognized globally for creating competent professionals. The department is well equipped with state of art laboratories that impart practical training to supplement theoretical knowledge. In the pursuit of promoting and developing the research capabilities along with the professional activities among the students we are establishing a Centre of Excellence for Industrial and Process Automation in technical collaboration with SMC Pneumatics (I) Pvt. Ltd which is the world's largest manufacturer of pneumatic components. The department consistently strives to provide avenues to students for skills development and academic mobility to improve the potential for employability. The faculty members of the department have to their credit a good number of publications in International / National Journals. Eminent persons at National and International level from industries, research organizations and academic institutions are regularly invited for expert lectures to explore the recent development in research and innovations.
ABOUT THE CONFERENCE

In order to improve the quality of living, implication of innovative solutions and best practices in Mechanical, Industrial and Production Engineering have critical role. In the near future Mechanical Engineering will be at the forefront in developing new technologies. The prime goal of the conference is to promote research and developmental activities in Mechanical, Production and Industrial Engineering. The conference will provide a common platform for professionals, academicians, researchers and industrialists to share their knowledge and ideas for achieving focused development and advancements in emerging field of these areas. It will help the participants to redefine their horizons in recent innovation in these fields through technical paper presentations and panel discussions leading to networking of participant organizations for effective collaboration in R & D and recognizing the areas which require future research. The conference will also assist the participants to connect with the pace of innovation in the Mechanical, Production and Industrial Engineering.

CONFERENCE THEMES

Keeping in mind the above theme and objectives, technical papers are invited on following areas:

- Mechanical Engineering
  
  Automobiles & Automotive Engineering
  Computational Mechanics
  Computational Techniques
  Dynamics and Vibration
  Energy Engineering and Management
  Fatigue and Fracture
  Fluid Dynamics, Mechanics & Hydraulics
  Fuels and Combustion
  Heat and Mass Transfer
  Internal Combustion Engines
  Mechanical Design
  Heat Power Engineering
  New and Renewable Energy

- Production Engineering
  
  Advanced Manufacturing Techniques
  Automation, Mechatronics and Robotics
  CAD/CAM/CIM, FMS and NC/CNC
  Casting and Forming Processes
  Composites and Smart Materials
  Concurrent Engineering
  Green and Sustainable Manufacturing
  Inventory and Quality Management
  Lean and Green Manufacturing
  Manufacturing Automation
  Modeling & Simulation
  Manufacturing Management
  Material Science and Material Processing
  Measurement and Quality Engineering
  Metal Cutting and Metal forming
  Micro, Nano and Rapid Manufacturing
  Rapid Prototyping
  Reliability and Maintenance
  Surface Engineering
  Tool Engineering

- Industrial Engineering
  
  Advanced Product Design and Development
  Artificial Intelligence and Knowledge
  CRM, MRP and ERP
  Decision Analysis/Decision Theory
  Engineering Management
  Ergonomics and Its Applications
  Human Factors Engineering
  Logistics and Supply Chain Management
  Multidisciplinary Product Development
  Operations Research & Optimization
  Plant Layout and Facility Planning
  Product Lifecycle Management
  Production Planning and Control
  Productivity and Benchmarking
  Project and Technology Management
  Quality Control and TQM
  Systems Modeling and Simulation
  Work Space Design & Equipment Management
  Work Study

The conference topics are not limited to the topics above. Any other topic related to the advancement in Mechanical, Production and Industrial Engineering will be considered.

ABSTRACT SUBMISSION

Abstracts not exceeding 300 words on any of the aforesaid themes should be sent to the Organizing Secretaries of the conference through email at arimpie2015@its.edu.in latest by February 26, 2015. The authors are requested to use MS word 12 point Times New Roman font with single line spacing. The affiliation, Phone and fax numbers with e-mail address of the author(s) must be included and corresponding authors must be identified. The abstract will be reviewed by the technical committee before acceptance.

SUBMISSION OF FULL PAPER

Authors of the accepted papers will be requested to submit the MS word electronic version of their full length research paper in IEEE format by the due date through email only. The papers accepted for presentation and publication will be included in the proceedings, subject to the condition that each paper must be supported by separate registration for the conference.

PUBLICATIONS

Selected Papers will be published after peer-review in one of the following Journals

- Asian Review of Mechanical Engineering
- Asian Journal of Engineering and Applied Technology
- ITSEC International Journal of Engineering Sciences
INTERNATIONAL ADVISORY COMMITTEE

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REGISTRATION

Registration form is available on the website www.itsecgn.edu.in or by direct link:
www.itsecgn.edu.in/arimpie/arimpie.html

Registration Fee is to be paid by Demand Draft drawn in favour of “ITS Engineering College” payable at Ghaziabad, or by online bank transfer.

Our Bank details are as follows:
Bank Account Holder: ITS Engineering College, Branch-Ghaziabad
Account Number: 85563060000038
Account type: Current, IFSC: SYNB0008556

If fee is paid by online then please email the transaction ID.

Registration Fee
- Alumni/Students Participant (Without kit) Rs. 1000
- Research Scholars Rs. 1500
- Delegates from R&D Institutes and Academics Rs. 2000
- Delegates from Industries Rs. 5000
- Foreign delegates (Student/Research Scholar) US $ 200
- Foreign delegates (others) US $ 500

Minimum one registration is mandatory for a paper to be part of proceedings. Conference Kit will be issued to registered participants only.

IMPORTANT DATES

- Submission of Abstract: 26-02-2015
- Submission of Paper: 20-03-2015
- Notification of Decision: 25-03-2015
- Camera-ready Papers: 31-03-2015
- Last date of Registration: 06-04-2015

TRAVELLING AND ACCOMODATION

The participants will have to make their own arrangements for their travel. The venue is well connected by Air and Train. The nearest Air Port is Indira Gandhi International Airport at New Delhi. The distance of the venue from the New Delhi Railway station is 45 KM and is well connected by road through Taxi and Bus. A wide range of decent hotel accommodation is available in the city of Noida and Greater Noida. In addition, limited accommodation is also available in the institute guest house and hostels on sharing basis at prior request.
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Note: All the correspondence regarding paper submission & notification of acceptance shall be made through email only.

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For more detail please visit www.isteonline.in

SMC Pneumatics (I) Pvt. Ltd

SMC Corporation Japan, established in 1959, is the World’s largest manufacturer of pneumatic components. SMC, the world leader in pneumatics, strives to understand customer needs thoroughly after fully understanding the requirements of any manufacturing process and offers customised solutions.

SMC India is a 100% subsidiary of SMC Corporation Japan, the World Leader in Pneumatic Technology. SMC India has three state-of-art manufacturing facilities in India. Two facilities are at Noida near Delhi, (spreading over 12000 Sq. mt. and 29,000 Sq. mt.) and one in Chennai (46,000 Sq. mt.)

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Mass production is the backbone of the world economy, and the modern production line is heavily automated at every step in the manufacturing process. Currently manufacturing industries also aiming quality and flexibility along with increasing productivity and reducing manufacturing cost with the help of automation. For this skilled manpower needed to manage the automated machineries. To develop automation skill among the students, Mechanical Engineering Department establishing a Centre of Excellence of Industrial and Process Automation in collaboration with SMC Pneumatics (I) Pvt. Ltd.