

2nd International Conference

on

MATHEMATICAL TECHNIQUES IN ENGINEERING APPLICATIONS

(ICMTEA2016)

April 29-30, 2016



Organized by



Department of Mathematics
Graphic Era University, Dehradun, India
Graphic Era Hill University, Dehradun, India
www.geu.ac.in www.gehu.ac.in

Venue: Department of Mathematics
Graphic Era University, Dehradun, Uttarakhand, India.
www.geuicmtea.com

About Graphic Era University

Graphic Era University (GEU) is one of the fastest growing institutions of professional learning; with a sprawling campus spread over 30 acres of serene and salubrious expanse in the Dehradun valley, in the Himalayan foot-hills. Located near the cantonment area, in calm and picturesque surroundings, along Rajaji National Park, with a backdrop of Shivalik hills, the university offers amicable atmosphere and ambiance suited to academic pursuits.

Graphic Era University, a continuum of Graphic Era Institute of Technology, founded in 1998, has now over 8000 students, over 400 dedicated faculty members and more than 300 support staff for the smooth conduct of academic and allied activities.

The University offers more than 45 programmes spread across the Faculty of Engineering & Technology, Faculty of Management Studies, Faculty of Computer Applications, Faculty of Allied Sciences, and Faculty of Humanities and Social Sciences.

About Graphic Era Hill University

GEHU is the culmination of the dream of one man who had the vision to reform destiny. An academician and computer engineer of repute, Prof. (Dr.) Kamal Ghanshala is the new face of imparting holistic education. His foresight and acumen has soared this institution as a pioneer in technical education in Uttarakhand. Prof. Ghanshala founded Graphic Era in the year 1993 as one of his daring ventures for providing service to the society through a private educational system which became Graphic Era Institute of Technology (GEIT) in 1998 and Graphic Era University (deemed university) in 2008. Yet another initiative of his is the Graphic Era Hill University (GEHU) which came into existence by an act of Uttarakhand State (Act No. 12) in 2011. The University has rich and vibrant campuses at Dehradun and Bhimtal. These campuses are designed with world class academic and research facilities, state-of-art laboratories & libraries which foster innovative teaching and learning and provide personal care to students. The university also offers exchange opportunities with foreign Universities. GEHU is currently offering career-focused programmes in Engineering, Management, Computer Application, Commerce, Mass Media & Hotel Management.

About Dehradun

Dehradun - The capital city of Uttarakhand encompasses a good blend of a modern city thriving with hill culture. It is set in the Himalayan foot hills at the centre of the 120 kms long Doon Valley. The name Dehradun is literally made up of two words where Dera means Camp and Dun stands for Valley. This beautiful town is referred as the gateway to Mussoorie and Garhwal interior. It is perhaps one of the oldest cities in India and was occupied, in turn by the Sikhs, Mughals and Gurkhas before coming under the reigns of the British. Elite educational and many other institutions were established during the British period. A famous tourist attraction, Mussoorie (Queen of the Hills) is just 25 km from Dehradun. Haridwar and Rishikesh are other nearby tourist stations of great spiritual and religious significance. Dehradun has also been a hub of educations, and many well-known schools and institutions are located here.

Climate of Dehradun in the month of April is pleasant, with maximum and minimum temperatures of 29 °C and 15 °C, respectively with good sunshine.

How to reach Dehradun

Dehradun is well connected to major cities in India, such as New Delhi, Lucknow, Varanasi, Kanpur, Allahabad, Amritsar, Meerut, Bareilly, Mumbai, Kolkata, Jaipur, Ujjain, Indore, Ahmedabad, Thiruvananthapuram etc. Trains are also available from other parts of India. Dehradun is also connected by Air and Road routes. Regular state and interstate buses are available at ISBT. Regular flights between New Delhi and Dehradun are also available.

Flight to Dehradun (Jolly grant airport) : From Delhi and Lucknow

Direct Trains to Dehradun : From New Delhi, Lucknow, Mumbai, Varanasi

The Venue

Department of Mathematics, Graphic Era University, Dehradun, India

Aims and Scope

The goal of the conference is to bring together leading engineers, researchers and academics of the world to discuss novel theories, technologies and applications of mathematics in major engineering fields. Also, the 2nd International Conference on Mathematical Techniques in Engineering Applications (ICMTEA2016) aims at publishing refereed, original research studies and articles that bring up the latest development and research in mathematical sciences and engineering area. The conference will feature prominent plenary speakers as well as technical sessions.

The conference covers broad spectrum of topics related to mathematics applications in engineering. ICMTEA2016 is a peer-reviewed conference, with experts from different parts of the world.

The thematic areas of the conference are as follows (but are not limited to):

- Operations Research
- Optimization Techniques
- Stochastic Process & System Engineering
- Mathematical Modelling & Simulation
- Inventory Problems, Probability & Statistics Applications
- Fluid dynamics and its Applications in Engineering
- Soft Computing, Genetic Algorithm, Neural Network & Fuzzy Logic Applications
- Mathematical Modeling in Environmental and Bio Sciences
- Reliability Modeling and Testing for Complex Systems
- Reliability and Availability Assessment of Multi-state Systems
- Risk and Supply Chain Management
- Differential Equations and its Applications
- Applications of Astrophysics, Finite Element Methods in Engineering
- Applied Mathematical Problems & Methods in Research & Education
- Recent Mathematical Tools & Techniques in Engineering and Technology

Call for Papers

Papers pertaining to the conference are invited for ICMTEA2016. All papers should be typed in MS-Word 97-2003 in Single column, in Times New Roman Font with Size-12 and Line Spacing 1.0. The first page of the paper should include Title (in Bold Font), Author(s)' Name, Institutional Address, Email address of the corresponding author with Abstract (maximum 250 words) and keywords (3 to 5). The authors are requested to submit the full paper/ article latest by November 1, 2015 at the email: icmtea2016@geu.ac.in

Important Dates for Paper Submission

Submission Deadline	:	November 1, 2015
Author Acceptance Notification	:	December 1, 2015
Author Registration	:	January 9, 2016
Conference	:	April 29-30, 2016

One can submit more than one paper, but he/ she has to pay extra paper charges during registration process.

Registration Fee

Category	India	Foreign
General Delegates	Rs. 5000	US\$ 300
Student Delegates	Rs. 3000	US\$ 150
Industry Delegates	Rs. 5000	US\$ 300
Each Accompanying Person	Rs. 3000	US\$ 150
Extra Per Paper Charges	Rs. 3000	US\$ 150

During the registration process, fee has to be paid after paper acceptance, up to January 9, 2016. The fee can be paid in the following modes:

(i) **Demand Draft:** In favor of "Graphic Era University" payable at "Dehradun"

Or

(ii) **Bank Transfer:**

Bank Name	:	Punjab National Bank, GEU Branch, Dehradun
A/c No.	:	1175002100010338
Branch ID	:	619000
NEFT/RTGS/IFS code	:	PUNB0619000
MICR Code	:	248024035
SWIFT Code	:	PUNBINBBDPR

The authors who have paid the registration fee by bank transfer must mail scanned copy of fee submission along with filled registration form to the Convener. No TA/DA will be paid to the participants.

Local Hospitality

The delegates coming from different parts of India (or abroad) can avail accommodation facility which is included as a part of registration package. These delegates are required to submit a request for lodging arrangements during the registration procedure. Accommodation can be arranged (on sharing basis) for the registered participants. Delegates are, however, free to make their own arrangements for accommodation in Dehradun at their own cost.

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Conference Publications

After the conference, authors of best papers of ICMTEA2016 will be invited to submit full papers for publication (after review) in the following indexed journals.

- Journal of Industrial and Production Engineering (Taylor & Francis)
- Engineering and Automation Problems (Russian Academy of Sciences)
- International Journal of Quality & Reliability Management (Emerald)
- International Journal of Applied Mathematics & Computer Science (IF-1.390)
- Nonlinear Studies - The International Journal (Cambridge Scientific Publishers Ltd)

Important Dates for Special Issues

Announcement of selected papers	: June 1, 2016
Paper submission due	: July 1, 2016
First-round review	: August 20, 2016
Revision due	: September 20, 2016
Final decision	: October 20, 2016
Submission of final paper	: November 10, 2016
Publication date	: December 2016/January 2017

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