Organizing Team

Chief Patron
Prof (Dr) Kamal Ghanshala
President, Graphic Era University, UK

Patrons
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Chancellor, Graphic Era (Deemed to be University), UK
Prof (Dr) L M S Palni
Vice Chancellor, Graphic Era (Deemed to be University), UK
Prof (Dr) Sanjay Jasola
Vice Chancellor, Graphic Era Hill (Deemed to be University), UK
Prof (Dr) V K Tewari
Director General, Graphic Era (Deemed to be University), UK
Prof (Dr) A K Awasthi
Advisor, Graphic Era (Deemed to be University), UK
Prof (Dr) Ankush Mittal
Director Research, Graphic Era (Deemed to be University), UK

Academic Advisor
Prof (Dr) Mohan C Joshi
IIT Gandhinagar, Gujarat

Convener
Prof (Dr) Mangey Ram
Graphic Era (Deemed to be University), UK

Organising Secretary
Dr Seema Saini
Graphic Era (Deemed to be University), UK
Dr Mukesh Kumar
Graphic Era (Deemed to be University), UK
Dr Ritu Chandna
Graphic Era (Deemed to be University), UK
Anand Chauhan
Graphic Era (Deemed to be University), UK

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Dr Giriraj Gupta, GEHU, Dehradun, UK
Dr Mohd Taamsir, GEU, Dehradun, UK
Dr Navneet Joshi, GEHU, Bhimtal, UK
Dr Neeraj Dhiman, GEHU, Dehradun, UK
Dr R C Bhadula, GEHU, Dehradun, UK
Dr Satyajeet Singh, GEU, Dehradun, UK
Dr Suraj Chand, GEHU, Dehradun, UK
Dr Vineet Bhatt, GEHU, Dehradun, UK

Advisory Members
Dr A P Singh, SGRR (PG) College, UK
Dr Anuj Kumar, UPES, UK
Dr Lokesh Kumar Joshi, GKV, Hardwar, UK
Dr Ritu Arora, GKV, Hardwar, UK
Dr Sangeeta Pant, UPES, UK
Prof (Dr) B C Tewari, Kumaun University, UK
Prof (Dr) D S Negi, Garhwal University, UK
Prof (Dr) Rajendra Sharma, GEU, UK
Prof (Dr) R C Dimri, Garhwal University, UK
Prof (Dr) R P Pant, Kumaun University, UK
Prof (Dr) R P Tripathi, GEU, Dehradun, UK
Prof (Dr) S B Singh, GBPUAT Pannagar, UK
Prof (Dr) V P Pande, Kumaun University, UK

National Workshop
on
Nonlinear Functional Analysis and its Applications
February 19-24, 2018,
Graphic Era (Deemed to be University) Dehradun, Uttarakhand

WORKSHOP REGISTRATION APPLICATION FORM

Name: ..........................................................
Affiliation: ..................................................
Department/Division/Unit: ............................... Institution/University/Company: ..........................
Address for Communication: ..........................
Email: ..........................................................
Telephone: .................................................
Level: Please check one.
Post-Graduate Student □ Post-doctoral Student □
Junior Faculty □ Year PhD granted: ............... Need accommodation? Yes □ No □

Signature_________________
For Research Scholar/Students

Ms. / Mr. .......................................................... is a research scholar / student of our institute / organization, have sufficient analysis background and his / her application form is hereby forwarded. The applicant is permitted to attend the Workshop.

Signature_________________
Signature of Supervisor / Head of Department (with seal)

PAYMENT: Please send the completed registration form, proof of student status, with the fee details and mail to the Convener.
Our aim is to achieve this. The 6-day workshop at on 'Nonlinear Functional theory of nonlinear analysis, presently available in many more. The investigations of problems of such diverse importance in many interdisciplinary areas of science and engineering. Be it chaos, order and pattern; composite materials; condensed matter; continuum mechanics; information processing; optimal scheduling; organic molecules; plant and resource optimization; space science; stock market analysis; structural dynamics; traffic flow and many more. The investigations of problems of such diverse areas require exposition on the development of a common theory of nonlinear analysis, presently available in abundance. The 6-day workshop at on 'Nonlinear Functional Analysis and Its Applications' aims to achieve this.

We have brought together an expert group of linear and nonlinear analysts - pure and applied - on a common platform to apprise young researchers all across the state of Uttarakhand and other neighbouring states about the various aspects the core areas of nonlinear analysis. We begin by building the foundations of the theory of linear and nonlinear functional analysis and then elaborate describe its various applications to ordinary differential equations, integral equations and partial differential equations with finally culminating with approximation analysis.

Thus, the thrust of the expert group is on the systematic presentation of the sequentional growth of the theory of nonlinear analysis and its demonstrative applicability potential in problem solving.

We feel that domain knowledge, so developed in the workshop, will immensely benefit researchers from all fields.

**Topics**
- Elements of Linear & Nonlinear Functional Analysis.
- Applications to Ordinary Differential Equations & Integral Equations
- Introduction to Sobolev Spaces & Solvability Analysis of Partial Differential Equations
- Approximation Analysis with Finite Element Analysis & Galerkins Approximations.

**Resource Persons (Tentative)**
- Prof (Dr) Mohan C Joshi, IIT Gandhinagar
- Prof (Dr) Jagmohan Tyagi, IIT Gandhinagar
- Prof (Dr) Amiya K Pani, IIT Bombay
- Prof (Dr) Neela Natraj, IIT Bombay
- Prof (Dr) Kamana Porwal, IIT Delhi
- Prof (Dr) Mythiliy Rmamaswamy, TIFR, Bangalore
- Prof (Dr) Raju K George, IIST, Thiruvananthapuram
- Prof (Dr) D Bahaguna, IIT Kanpur
- Prof (Dr) T Guddi, IISc, Bangalore

**Target Audience**
Ph.D scholars, young researchers in universities and R & D organizations and advanced level M.Sc. & B. Sc. students with sufficient analysis background. The workshop will admit a maximum of 40 participants. Applications will be accepted until January 15, 2018, or until the capacity is reached.

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

**Registration Fee**

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<th>Category</th>
<th>On or before January 15, 2018</th>
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<tr>
<td>Scholar/ Students</td>
<td>3000</td>
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<tr>
<td>Academician</td>
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<td>4000</td>
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<tr>
<td>Persons</td>
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**Payment Option**
The fee can be paid in the following modes:

1. **Demand Draft**
   In favour of "Graphic Era University" payable at "Dehradun".

2. **Bank Transfer**
   Bank Name: Punjab National Bank, GEU Branch, Dehradun
   Current A/c No.: 1175002100010338
   Beneficiary Name: Graphic Era University
   Branch ID: 619000
   NEFT/RTGS/IFS code: PUNB0619000
   MICR Code: 248024035

**Accommodation**
Will be available for out-station students in university hostels on sharing basis.

**Contact Information**
**Dr Mangey Ram**
Professor
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Graphic Era University, Dehradun, UK.
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Ph.: +91 135 2642727, 2642729, Ext: 256