CONFERENCE WEBLINK: www.amity.edu/aiae/mrae2016

VENUE: Amity University Uttar Pradesh, Sector – 125, Noida, INDIA (Tel. No: 0120 – 4392517)

For any queries, please contact:
Prof R.K. Chauhan, Mr Jayanta Sinha
Email: mrae2016@amity.edu (+91-9873767567, +91-9818426856)

1ST INTERNATIONAL CONFERENCE ON MODERN RESEARCH IN AEROSPACE ENGINEERING, MRAE 2016
(22-23 September 2016)

Organized by: Amity University
& Technically co-sponsored By Springer Publication (Indexed By Scopus)

Amity Institute of Aerospace Engineering
Amity University Uttar Pradesh Sector 125, Noida (U.P.), INDIA
Pin: 201313
www.amity.edu/aiae

Mr. S. C. Kaushal, Ex-Director GTRE (DRDO)
Mr. Yogesh Kumar, HAL, Bangalore
Mr. Ashok Rangan, scientist G, ADE
Shri Lalit Gupta, Joint Director General, DGCA

TECHNICAL COMMITTEE

Dr. Snehantha Gopalarao, UNSW Canberra, Australia
Dr. Supriya Chakrabarti, One University, Lowell
Mr. Saurav Goel, Queen’s University, Belfast, UK
Mr Hussam Jouhara, Brunel University, London
Dr. Mehdi Hojjati, Concordia University, Canada
Dr. Samir Tambe, University of Cincinnati, US
Dr. A. M. Pradeep, IIT Bombay
Dr. Ashish Aggarwal, IGNOU
Dr. Om Prakash Singh, IIT-Mandi
Dr. Pushkar Raj, DRDO
Dr. Kanchan Biswas, ex-DRDO
Dr. Shri Prasadidda Dwivedi, RCI-Hyderabad DRDO
Dr. N. K. Peyada, IIT-Kharagpur
Dr. Om Prakash, UPE-Dehradun
Dr. Paraminder Singh, DRDO-HQ
Dr. P. M. Mohite, IIT-Kanpur
Dr. Kanchanchowdhury, IIT Kharagpur
Dr. Rajesh Kumar, CD-adapco
Dr. Pramodn Bajpai, NSIT
Dr. Sapna Jain, JSS-Noida
Dr. Arul Dhar, IIT-Mandi
Dr. Amit Kumar, Ex-ISRO
Mr. R. K. Shukla, TNO, Netherlands
Mr. AlaskKumar, Forum I Aviation Limited New Delhi
Dr. Rakesh Kumar, PEC, Chandigarh
Dr. Shri Sampath Gajabapathy, ARIAS
Dr. RavinSankar, IIT Guwahati
Dr. Rajesh Kumar, IIT-Delhi
Dr. Sudip Das, BIT, Mesra, Ranchi
Mr. Priyank Kumar, BIT, Mesra, Ranchi
Dr. Balajee Ramakrishnananda, Amrita
Dr. Vishwa Vidyapeetham, Coimbatore
Dr. D. P. Mishra, IIT Kanpur
Dr. Abhishek, IIT Kanpur
Dr. Deepak Sharma, IIT Guwahati
Dr. T. K. Jindal, PEC, Chandigarh
Dr. R. K. Mishra, G.B.U, Greater Noida, U.P
Dr. Sabah Khan, JMI, New Delhi
Dr. Sudarshan Kumar, IIT Bombay
Dr. S. D. Sharma, IIT Bombay
Dr. D. S. Nagesh, DTU, Delhi
Dr. Arshadnoorsiddiquee, JMI, New Delhi

Dr. Mohammad Asjad, JMI, New Delhi
Dr. S. R. Shine, IIST, Trivandrum
Dr. Abid Hameem, JMI, New Delhi
Dr. Nandan Kumar Sinha, IIT Madras
Dr. Anurag Dixit, G.B.U, Greater, Noida
Dr. Chandra Shekharpur, DRDO
Dr. Pushpendra Singh, DTU, Delhi
Dr. Mohammad Suhaib, JMI, New Delhi
Dr. Ravinderjeet Singh Walia, DTU, Delhi
Dr. Mahesh M. S., DIAT, Pune
Dr. V. Sivakumar, A.V.V.U, Coimbatore
Dr. Rajesh Sanadanand, IIST, Trivandrum
Dr. O. K. DOGRA, SUKHOI, New Delhi
Dr. M. Altaf, RTD, BARC, Mumbai
Mr. Hitesh Mohan Trivedi, HAL, Bangalore
Dr. Azmat Arshi, MES, Noida
Dr. Ashoke De, IIT Kanpur
Dr. Dipak Kumar Mati, IIT Kharagpur
Mr. Pavan Kumar, CSIR-N.A.L
Mr. Kamal Nayan Kathri, DRDO HQ, New Delhi
Mr. Prashant GK, GD Goenka, Gurgaon
Mr. Ali hasan, JMI, New Delhi
Dr. Ravi M.R., IIT Delhi
Dr. Rakesh Kumar, IIT Kanpur
Prof. Nitika Vats Doohan, LMCSI, Madhya Pradesh
Dr. Manoranjan Sinha, IIT Kanpur
Dr. Lajpat Rai, B.S. Anangpuria I.T, Haryana
Mr. M. J. Singh, Civil aviation, T.C, New Delhi
Mr. Maneesh Kumar, Civil aviation, T.C, New Delhi
Dr. S. C. Pradhan, IIT Kharagpur
Dr. Basant Singh Sikarwar, AAUP, Noida
Dr. Achhaibar Singh, AAUP, Noida
Dr. Ajay Misra, DIAT, Pune
Dr. GopalNandan, AAUP, Noida
Prof. Abdur Rahim, JMI, New Delhi
Mr. Khalid Rashid, LPS, ISRO, Trivandrum
Mr. Amruth kumar, Engine Division HAL, Bengaluru
Dr. H. P. Singh, ASIT, AAUP, Noida.
INTRODUCTION
First International Conference on Modern Research in Aerospace Engineering, MRAE-2016 will be organized by the Department of Amity Institute of Aerospace Engineering at Amity University, Noida, on 22nd-23rd September 2016.

The Conference aims to bring together students, scientists, academicians and industrialists working in the field of Aerospace Engineering to discuss new ideas and promote research work.

OBJECTIVE
The conference will be devoted to advancements in Modern Research in Aerospace Engineering. Researchers from all over the country and abroad will gather in order to introduce their recent advances in the field and thereby promote the exchange of new ideas, results and techniques. This two-day conference will offer a unique opportunity to gain insight into state-of-the-art technology in the aerospace field and to network with international researchers and scientists.

LIST OF TRACKS
- Modern fighters man/machine interface trends.
- Rocketry and Space Research
- Aircraft system design
- Flight Acoustics
- Fuel and Combustion
- Cryogenic propulsion
- Quality Assurance of Aircraft and its Systems
- Manufacturing techniques- CAD, CAM & CAE
- Multidisciplinary research and design optimizations
- Corrosion of aircraft components and prevention

ABOUT ORGANIZING INSTITUTES

AMITY UNIVERSITY
Amity Universe, under the Rittnand Balved Education Foundation (RBEF) is a premier educational organization which has gone a long way in taking challenges over challenges to impart quality education through its various schools & colleges. Amity is the leading education group of India with over 1,00,000 students studying across 1000 acres of hi-tech campus.

AMITY INSTITUTE OF AEROSPACE ENGINEERING (AIAE)
AIAE was established in 2007 under the aegis of Amity University Uttar Pradesh with a vision to provide quality education, nurturing Indian traditions and ethos. The main thrust and philosophy behind the establishment of the Institute is to promote in depth undergraduate education and conduct research in emerging areas of aerospace engineering that will be beneficial for the Nation and the World at large.

IMPORTANT DATES
- Call for papers open on: 01/01/2016
- Full paper submission deadline: 25/06/2016
- Full paper review feedback: 05/07/2016
- Final acceptance and notification letter: 10/07/2016
- Registration opens on: 25/06/2016

REGISTRATION
Early bird registration before: 03/06/2016

<table>
<thead>
<tr>
<th></th>
<th>INDIAN</th>
<th>FOREIGN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students (B.Tech / M.Tech/M.S)</td>
<td>3000 INR</td>
<td>200 USD</td>
</tr>
</tbody>
</table>

RESEARCH SCHOLARS (Ph. D/ JRF etc.)
- Faculty from academic institution
  - Researchers from industry
  - Listener without paper presentation
  - Registration after: 03/06/2016

<table>
<thead>
<tr>
<th></th>
<th>INDIAN</th>
<th>FOREIGN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students (B.Tech / M.Tech/ME/M.S)</td>
<td>4000 INR</td>
<td>250 USD</td>
</tr>
<tr>
<td>Research SCHOLARS (Ph.D/ JRF etc.)</td>
<td>5000 INR</td>
<td>300 USD</td>
</tr>
<tr>
<td>Faculty from Academic institution</td>
<td>6000 INR</td>
<td>350 USD</td>
</tr>
<tr>
<td>Researchers from Industry</td>
<td>7000 INR</td>
<td>400 USD</td>
</tr>
<tr>
<td>Listener without paper presentation</td>
<td>1500 INR</td>
<td>150 USD</td>
</tr>
</tbody>
</table>

Registration Fees include:
- Conference kit
- Tea/Coffee
- Lunch
- Proceedings
- CD
- Registration fees does not include Accommodation and Transportation fees

# On-spot Registration is also available through cash and demand draft, for which registration fees after 10/07/2016 will be applicable.

PAYMENT DETAILS

INTERNATIONAL TRANSACTION
All the International delegates outside INDIA can make payment by WIRE Transfer using SWIFT code with the following bank details:

Name of the payee: Amity university- Uttar Pradesh
Bank name: Allahabad bank, sector-125, Amity campus, Noida,
Type of account: Savings
MICR code of the bank: 110010063
IBAN code: ALLA0212270

For full length paper submission guidelines, visit the conference website: (www.amity.edu/aiae/mrae2016)

All the accepted papers will be published in conference proceedings/souvenirs.

Selected high impact paper will be published by Springer (Indexed by Scopus).