

Two-Day National Seminar on
Advances in Aerospace Propulsion



Organized by

Center for Research in Aerospace Engineering and Management
International Institute for Aerospace Engineering and Management (IIAEM)

JAIN UNIVERSITY

Declared as Deemed-to-be University u/s 3 of the UGC Act, 1956

21st and 22nd January, 2016

**Venue - IIAEM, Jain Global Campus, 45th km, NH-209,
Jakkasandra Post, Kanakapura Taluk, Ramanagara District – 562 112, Karnataka
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About the Seminar

The objective of the two-day seminar on Advances in Aerospace Propulsion is to disseminate knowledge on recent technological advances in the field of Aerospace Propulsion. The topics cover current state of technologies and evolving trends in aircraft, high speed air breathing and rocket propulsion, including next generation propulsion systems. Some of the challenges such as combustion instabilities, supersonic combustion and green aviation will be explored. The seminar is being held in close cooperation with institutions, government agencies and professional societies who are approached and are renowned in this field. The speakers for the two day seminar are drawn from eminent institutions such as IISc, IIT, ISRO, DRDO, HAL, NAL and Jain University.

About IIAEM

IIAEM is located in a picturesque natural setting, about 45 km from Bangalore city on the Kanakapura Road, NH209. IIAEM is a collaborative venture between Jain University and Society of Indian Aerospace Technologies & Industries (SIATI), and it has received overwhelming support from academic institutions, R & D laboratories and Industrial organizations like ISRO, HAL, AAI, NAL, Air India, BIAL, CIAL and many others. Besides involving itself in cutting edge research, the Institute will generate a pool of technical manpower skilled in Aircraft Design, Avionics, Aircraft Propulsion, Aircraft Maintenance Engineering, Airport Infrastructure and Management at the undergraduate, postgraduate and research levels. The curriculum has been vetted by experts from industry and academia. Within the next few years, IIAEM is poised to develop into a world-class institution for aerospace research and education.

Program Coordinators

Dr. Antonio Davis, Professor, IIAEM, Jain University. antonio.davis@jainuniversity.ac.in

Dr. Allamaprabhu C Y, Asst. Professor, IIAEM, Jain University. allama.prabhu@jainuniversity.ac.in

Some of the eminent speakers

- Dr. B. N. Suresh, President, INAE, Former Director, VSSC
- Shri. M. Z. Siddique, Director, GTRE
- Prof. H. S. Mukunda, Retd. Professor, Aerospace Engg., IISc and Professor of Eminence, CDM, Jain University
- Shri. Manjunath P, Head of Propulsion Division, NAL (CSIR)
- Dr. Rajaram Nagappa, Visiting Professor and Head, International Strategic and Security Studies Program, NIAS
- Prof. B. N. Raghunandan, Advisor to Director, IISc and former Dean of Engineering, IISc
- Shri. V. Balakrishnan, Former Executive Director, Engine Division, HAL, Bangalore Complex
- Shri. G. Gouda, Sc'G', Group Director Propulsion, CEMILAC, Bangalore
- Dr. Asim Ghosal, Consulting Engineer, GE Aviation, GE India Technology Centre, Bangalore

Topics Include

- Stable and unstable combustion in combustion systems
- Advances in turbo-machinery
- Materials and Manufacturing technology for GT Engines
- Engine health monitoring
- Green aviation
- Engine aircraft integration
- High Speed air-breathing propulsion
- Advances in Rocket propulsion
- Solid propellants

Who would benefit

- Engineers, scientists associated with the design, development , manufacturing and testing of aerospace propulsion systems/sub-systems/components
- Faculty from institutions offering courses on aerospace propulsion
- Students of aerospace/aeronautical engineering at graduate, masters and research level

Registration Fee for participants

Students: Rs.1000/-

Participants from academic / Government institutions: Rs.3000/-

Private organizations: Rs.5000/-

Note: Registration fee will include participation in the seminar, registration kit, lunch and tea.

Please send your nominations along with Registration Fee to

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Note: The registration details (Name, Designation, Organization, Address, Contact number) along with Demand Draft (DD) drawn in favor of ' I I A E M ', **Bangalore** should reach our office before 15th January, 2016).