



JAIN UNIVERSITY

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EMERGING TECHNOLOGIES AND APPLICATIONS OF SMALL UAVS

JUCUAS-17

(CONFERENCE, MISSION MODE DEMOS AND EXHIBITION)

22nd - 23rd March 2017

Venue: IIAEM, Jain Global Campus, 45th km, NH-209
Jakkasandra Post, Kanakapura Taluk, Bengaluru (R)
Karnataka - 562 112
P +91 80 2757 7231



**International Institute for Aerospace Engineering & Management
(IIAEM) Jain University**

in association with

**National Design & Research Forum (NDRF),
Israel Aerospace Industries (IAI) &
Rotary Club of Bangalore**

**CALLING - Students, Researchers, Faculties, Entrepreneurs,
Industrialists and user organisations for the latest updates on
UAV technologies & applications through lectures by
eminent personalities and field demonstrations**

Jain University Conference on Unmanned Aerial Systems 2017 (JUCUAS-17) is a two day event organised jointly by the Department of Aerospace Engineering (IIAEM) - Jain University, NDRF & Rotary Club of Bangalore with the aim:

- (i) To support the use of small UAVs for research with the student community
- (ii) To develop industrial and academic relationships to expand their use in the civilian domains
- (iii) To showcase the developments in the country through technical talks and displays.



Events Include:

- Pre-conference workshop for students and practising engineers on the basics of design, fabrication, autopilot integration, communication, ground control and testing of autonomous Unmanned Aerial Vehicle.
- Technical talks on eminent personalities in the areas of advanced designs, communication systems, payloads, ground controls and safety, regulations and certification.
- Mission mode field demonstration relevant to survey, agriculture, disaster management etc.
- Static exhibits of payload sensors, subsystems and aerial vehicles and videos shows
- Panel discussions on the academic courses, development strategy, safety and regulations.



About IIAEM:

IIAEM of Jain University is located in a picturesque natural setting, about 45 km from Bangalore city on Kanakapura Road, NH209. It 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.

Theme
**Emerging Technologies & Civil Applications
of Small UAVS**

DAY-1

**Emerging Technologies in the development of
Small UAVs**

By leading researchers from universities and laboratories

Major UAV Programs in the Country

By Leaders from Defense Labs, Public and Private Industries

**Mission Based Flying Demonstration for Civil
Applications – I (Multi Rotor)**

By Industries and Government Labs

International Cooperation on UAV Development

By Eminent Speakers from Israeli and French UAV Companies

Technological Opportunities for Startups & Entrepreneurs

Young Entrepreneurs from Startup Companies and Small Industries

DAY-2

Advanced Applications of Small UAVs

Speakers from Industries and User Departments

**Mission Based Flying Demonstration for
Civil Applications – II (Fixed Wing)**

By Industries and Government Labs

Safety, Regulation & Certifications

Officials from Government Departments

Rotary Flying Competition

By Students and Professionals

Panel Discussion & Valedictory

EXHIBITION is
open both
the days

Networking
space provided

**Pre-conference Workshop on Autonomous UAV – Design, Development &
Autopilot Integration, Ground Control Operations and Payload Analysis- 21st Mar'17**

For more details, visit: www.jainuniversity.ac.in

Advisory Committee*

Dr. Krishnadas Nair

Dr. V J Sundaram

Prof. K. Sudhakar

Rtn. V S Ranga Rao, President, Rotary Club of Bangalore

Rtn. Vivek Prabhu, Vice President, Rotary Club of Bangalore

Organising Committee*

Prof. K. R. Sridhara Murthi, Director, IIAEM

Prof. Parameswaran, Head, Dept of Aerospace Engineering

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Mr. M R K Menon

*To be updated

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For details on Sponsorship, Exhibiting & Participating as delegates, contact:

Prof. Ashish Gupta

**IIAEM, Jain Global Campus, Jakkasandra Post, Kanakapura Taluk,
NH-209 Off Bangalore - 562112**

M: +91 9448969133 Email: asishk.gupta@gmail.com

For any updates: <http://www.jainuniversity.ac.in/Events-more.htm>