



FLIGHT

MADRAS INSTITUTE OF TECHNOLOGY

ASSOCIATION OF AERONAUTICAL ENGINEERS

MARCH 1, 2019

DAY 1 EVENTS:

PAPER PRESENTATION

Event description

“when you speak ideas, the world listens”

How well you know your basics is reflected in how well you can articulate your ideas in a short time. Come and share your ideas to better the future of the aviation industry with us.

A technical paper would be a research paper or simply a review paper based on a review of present technologies or technology that would be possible in near future.

Event format

The event consists of two rounds.

- First round will be online submission of abstract.
- Abstracts should be mailed to flight@mitindia.edu on or before February 22nd, 2019 with subject as “Flight 19 Paper presentation”.
- Abstracts should not exceed 500 words. It should be typed in MS Word format, Times New Roman, Font Size 12.
- Shortlisted candidates will be intimated by mail on or before February 25th, 2019.
- They must present their ideas on March 1 at 10 am .

Template for abstract

The Abstract should contain 300-500 words. It should be mainly of the format mentioned below:

▪ **Objectives**

The objective should contain the detailed account of why the problem is important.

▪ **Methods**

It should contain the approach to solve the problem, it can be futuristic or realistic and it should include mathematical representation of the solution. (mathematics unlimited)

▪ **Conclusions**

Major problems involved and feasibility check should be done.

Topics

AERODYNAMICS:

- Mission adaptive compliant wings
- Missiles and Launch Vehicles
- Industrial Aerodynamics

STRUCTURES:

- Zero fuel Aircraft
- Advanced materials prone to more efficiency
- Structural health monitoring systems

AVIONICS:

- Navigation Guidance systems
- Pavement of Artificial intelligence on avionics
- Unmanned Aerial Vehicles

PROPULSION:

- Advanced propulsive techniques
- Jet assisted take-off and landing

- Propulsion at its innovation

SPECIAL TOPICS:

- Militarization of space
- Space Communication
- How to clean space debris?
- Difficulties of Indian Manned space mission

Rules

- Maximum of two per team.
- The students must bring their college ID card without fail.
- Each team will be given 15 minutes. 10 minutes for presenting their paper and 5 minutes will be for questions from Judges and the audience.
- Number of slides= 12 to 15.
- The presentation should be brought in a USB.
- Judges decision is final.

Contact

Name: SARANYA M

Ph no. :9345741625

Email: flight@mitindia.edu

Date :01.03.2019

Time: 10.00 am

Prize Worth: Rs.5000