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19th and 20th March 2021



**DEPARTMENT OF
AEROSPACE ENG.
& APPLIED
MECHANICS**

International Webinar on

Advances in AEROSPACE ENGINEERING

Sponsored by TEQIP-III

2-days Webinar

COORDINATORS

Dr. Niloy Khutia
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Dr. Joydeep Bhowmik
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Dr. Prince Raj
Dr. Indrajit Mukherjee
Dr. Apurba Das
Dr. Korak Sarkar

PATRON

Prof. Parthasarathi
Chakrabarti, Director,
IEST Shibpur

CHAIRMAN

Prof. Amit Roy Chowdhury,
HoD, Aerospace
Engineering & Applied
Mechanics, IEST Shibpur



PROGRAM SCHEDULE

19th March 2021 FRIDAY

2:00PM-2:05PM	Welcome address: By Head of the Department Prof. Amit Roy Chowdhury
2:05PM-2:15PM	Address by Dean, Academic: Prof. Sudip Kr. Roy, IEST Shibpur
2:15PM-2:25PM	Address by Dean, Research & Consultancy: Prof. Subhasis Bhaumik, IEST Shibpur
2:25PM-2:35PM	Address by Prof. Amitabha Ghosh, Senior Scientist & Distinguished Professor, IEST Shibpur
2:35PM-2:45PM	Inauguration of the Webinar and Inaugural Address by Prof. Parthasarathi Chakrabarti, Honb'le Director, IEST, Shibpur
2:45PM-4:00PM	More electrical actuation for commercial aircraft by Professor (Dr.) Jean-Charles Maré, Professor, INSA Dpt Mécanique, France
4:00PM-4:05PM	Tea Break
4:05PM-5:00PM	Challenges in development of indigenous aero engines for fighter aircraft by Dr. Subrata Das, Scientist G, Project Director (KDE-P2), GTRE, Bengaluru
6:00PM-7:00PM	Instrumentation and Protocols for Planetary Exploration and Space-based Experiments by Dr. Tirtha Pratim Das, Deputy Director, DTDI, ISRO HQ, Bangalore
7:00PM-7:45PM	Mechanics of Irregular Honeycomb Structures by Professor (Dr.) Sondipon Adhikari, Professor, Aerospace Engineering in the College of Engineering, Swansea University, UK

Time is in Indian Standard Time (IST: GMT+5:30)

PROGRAM SCHEDULE

20th March 2021 SATURDAY

9:45AM-11:00AM

Dusty gas flow in lunar landing by **Professor (Dr.) Rakesh Kumar**, Associate Professor, Department of Aerospace Engineering, IIT Kanpur

11:00AM-12:00PM

High-Performance Materials in Aviation Industry by **Mr. Gopinath Chakkaravarthy**, Consultant-Advanced Engineering, Infosys

12:00PM-1:00PM

Advanced Turbine Hardware for power Gas Turbine by **Mr. Deb Dulal Das**, Senior Manager at Siemens

1:00PM-2:00PM

DNS and LES of Compressible Turbulent flows by **Professor (Dr.) Somnath Ghosh**, Associate Professor, Department of Aerospace Engineering, Indian Institute of Technology Kharagpur

2:00PM-3:30PM

Lunch Break

3:30PM-5:00PM

CFD-based Multidisciplinary studies in Applied Aerodynamics by **Dr. SungKi Jung**, Ph.D. Assistant Professor Federal University of ABC Centre for Engineering, Modelling and Applied Social Sciences, Sao Paulo, Brazil

5:00PM-6:00PM

Recent Technical Development/Trends in aviation sector by **Mr. Satya Swaroop Panda**, Associate Director, Collins Aerospace

6:00PM-6:15PM

Tea Break

6:15PM-7:15PM

Role of energetic materials in Aerospace Propulsion by **Professor (Dr.) Srinibas Karmakar**, Associate Professor, Department of Aerospace Engineering, Indian Institute of Technology Kharagpur

7:15PM-8:15PM

Shri MR Shankar, Sc.F, Division Head- Aircraft Group, CABS, DRDO

8:15PM-8:20PM

Vote-of-thanks by **Prof. Amit Roy Chowdhury**, Head, Aerospace Engineering and Applied Mechanics Department, IEST, Shibpur

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Advances in AEROSPACE ENGINEERING

About the Webinar

"**Advances in Aerospace Engineering**" focuses on the latest state of the art in the Aerospace Engineering discipline, providing an excellent platform for our students to interact with leading/ eminent researchers and industry personnel, both national and international levels.

This webinar will enhance the scope for future collaborations and develop new research projects and ideas, thus propelling both the department and the institute to the forefront of indigenous technological advancements directly benefiting our society and our country.



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About the Department

IEST, Shibpur (est.1856) is the **second oldest** engineering institution in India and one of the premier colleges of the country. In March 2014, the erstwhile Bengal Engineering and Science University was anointed as IEST, Shibpur, thereby being bestowed with Institute of National Importance (**INI**).

The Department of Applied Mechanics (est. 1947), was reinvented as the **Department of Aerospace Engineering and Applied Mechanics** in 2008. The department provides an Undergraduate course in Aerospace Engineering along with postgraduate courses in Engineering Mechanics. The department strives to furnish its students with the requisite knowledge for the aerospace industry to meet the ever-growing interest and demand in this field. Complete support is provided to passionate students so that they may excel in life.

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*You are cordially invited to be a part of the
WEBINAR organized by the Dept. of
Aerospace Engineering & Applied Mechanics,
IIEST SHIBPUR*

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Stay Safe

Stay Healthy

THANK YOU!

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