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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  
Dr. Debashis Pal  
Dr. Joydeep Bhowmik  
Dr. Pratim Kumar  
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.



**DEPARTMENT OF AEROSPACE ENG. &  
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# Advances in AEROSPACE ENGINEERING

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

*Stay Home*

*Stay Safe*

*Stay Healthy*

**THANK YOU!**

**DEPARTMENT OF AEROSPACE ENG. &  
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