

TWO DAY WEBINAR ON "LATEST TRENDS IN VTOL TECHNOLOGIES"

07-08 OCTOBER 2021



Organized by



Department of
Aerospace Engineering



AeSI,
Design division



India
Chapter

SPEAKERS



Dr. Eric Greenwood
Penn State University,
USA



Dr. Srikant Saripalli
Texas A & M University,
USA



Dr. Rajneesh Singh
Army Research Lab,
USA



Dr. Dhwani Shukla
IIT Bombay



Dr. Mangal Kothari
IIT Kanpur



Dr. K.R. Prashanth,
Deputy General Manager,
RWR&DC, HAL



Dr. Anubhav Datta
University of Maryland,
College Park, USA



Dr. Bharath Govindarajan
IIT Madras



Dr Vijaya Kumar M.
Former Executive Director,
RWR&DC, HAL



Dr. Abhishek
IIT Kanpur

About the webinar

Design Division of Aeronautical Society of India, Vertical Flight Society India Chapter and IIT Kanpur invite you for Two-day Webinar titled "Latest Trends in VTOL Technologies". Vertical flight technology is seeing a revolution of sorts through advent of advanced manned and unmanned vertical lift aerial vehicles ranging for helicopter flight on Mars, high speed helicopters, hybrid aerial vehicles with superior efficiency and quite rotors. This webinar is an attempt to bring together researchers and scientists who are working on cutting edge technologies to come forward and present their exciting research work through series of popular lectures. Students, young researches, scientists and engineers are encouraged to attend this free to attend online event.



SCHEDULE OF LECTURES

DAY 1 : OCTOBER 7TH, 2021

DATE & TIME	SPEAKER	AFFILIATION	TITLE
3:00 pm to 4:00 pm	Dr Vijaya Kumar M	Former Executive Director, RWR&DC, HAL	Helicopter Research and Development in India
4:00 pm to 5:00 pm	Dr. Abhishek	IIT Kanpur	High Efficiency VTOL Systems
5:00 pm to 6:00 pm	Dr. Dhwani Shukla	IIT Bombay	Small Rotor Aerodynamics
BREAK			
6:30 pm to 7:30 pm	Dr. Anubhav Datta	University of Maryland, College Park, USA	Mars Helicopters
7:30 pm to 8:30 pm	Dr. Srikant Saripalli	Texas A & M University, USA	Vision aided Autonomy for VTOL UAVs

DAY 2 : OCTOBER 8TH, 2021

DATE & TIME	SPEAKER	AFFILIATION	TITLE
3:00 pm to 4:00 pm	Dr. K.R. Prashanth	Senior Designer, RWR&DC, HAL	Helicopter Rotor Design - HAL Experience
4:00 pm to 5:00 pm	Dr. Mangal Kothari	IIT Kanpur	VTOL Control
5:00 pm to 6:00 pm	Dr. Bharath Govindarajan	IIT Madras	VTOL System Design
BREAK			
6:30 pm to 7:30 pm	Dr. Rajneesh Singh	Army Research Lab, USA	Design Challenges for The Next-generation VTOL UAV
7:30 pm to 8:30 pm	Dr. Eric Greenwood	Penn State University, USA	Enabling Ultra Low Noise Vertical Lift Aircraft Operations



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