

Report on Webinar by Dr. Abhay Srivastava held on 31/10/2023.

Topic: LIGHTNING DETECTION SENSORS

Department of Aerospace Engineering of MIT School of Engineering and Science, Pune had arranged Guest lecture to Third Year and Final Year B. Tech Aerospace Engineering students on 31st October, 2023 from 03.00pm -04.10pm in the Google meet platform.

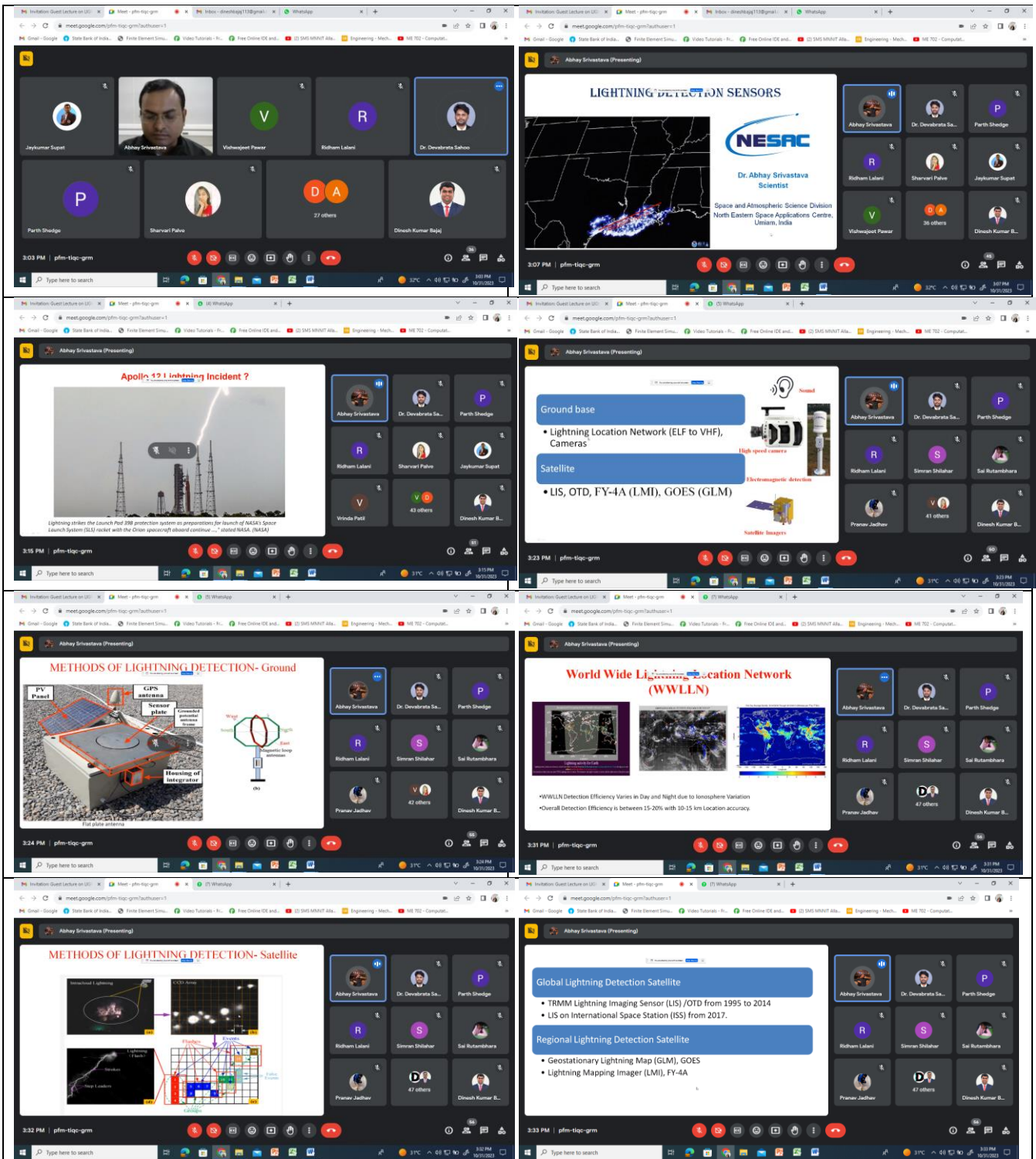
Dr Abhay Srivastava is working as Scientist, Space and Atmospheric Science division, North Eastern Space Application Centre (NESAC), Department of Space, Shillong, India. His research focuses are multidisciplinary direction on lightning physics and associated events; prevention and warning of lightning, lightning protection, global electric circuit, lightning in severe weathers, thunderstorms and cyclone; numerical weather prediction modelling, lightning hazards risk assessment, mitigation and safety, lightning observation instruments, sensor. Dr Srivastava received his Master's and Ph.D Degree in 2008 and 2014, respectively. He gets awarded prestigious fellowships DST-INSPIRE from Department of Science and Technology, India in 2011 and CSIR-SRF-EXT (Interdisciplinary) from Council of Scientific and Industrial Research, India in 2014. After completion of his doctorate, he joined as researcher in Electronics Science Division, Accendere KMS Pvt Ltd. Later, he received prestigious Post-Doctoral Research Award President's International Fellowship (PIFI-Fellow-2015) from Chinese Academy of Sciences to continue his research on lightning physics in Institute of Atmospheric Physics, Beijing China from 2015-2020.

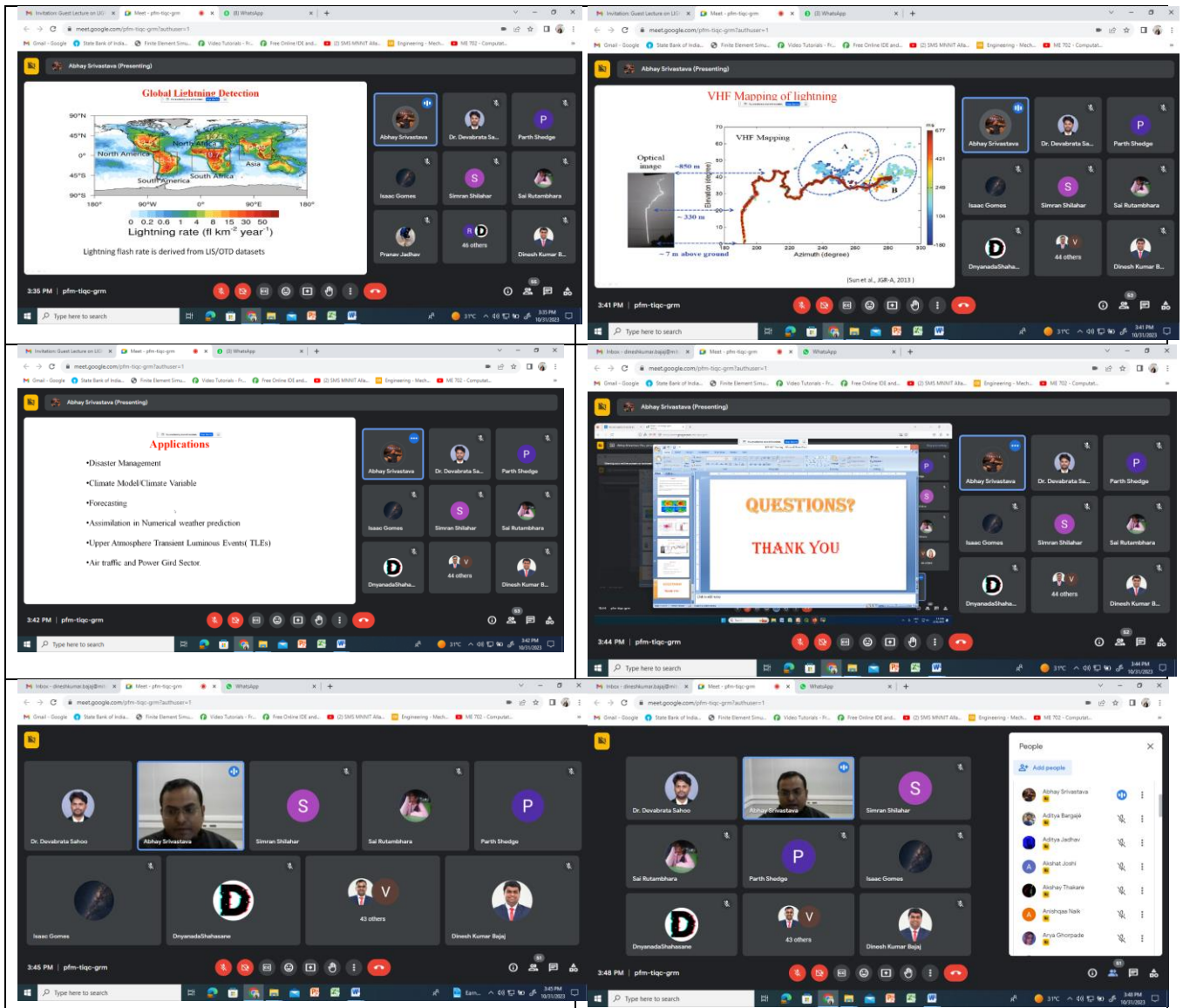
Dr Srivastava authored/co-authored more than 25 research articles published in reputed scientific journals and delivered lectures in various conferences and invited talks in USA, China, Japan, Hong Kong, India on his research theme. Presently, he is reviewer of important journals like Scientific Report, Atmospheric Research, IEEE Trans Electromagnetic Compatibility etc.

Around 60 B. Tech Aerospace Engineering students attended the lecture. The guest lecture was mainly focused understanding the about the Lightning Detection Sensors Advantages and Applications evolution and recent trends in Aerospace industry. The Guest lecture concluded at 04.10 pm and students were thankful to the Guest, Director, Dean-MIT SOES, Head-Aerospace Engineering, and Co-ordinator of the Guest Lecture. The coordinator thanked the guest Dr. Abhay Srivastava for accepting the Invitation & delivering the lecture. The co-ordinator is thankful to the Guest and HoD-Aerospace Engineering for making this Guest Lecture possible.

The Photographs of the Guest Lecture are attached herewith.







Out comes: Students are able understand about the lightening sensors and its applications in aerospace and space applications. Students were able to interact with the expert during Question-Answer Session.

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