



The Institute of Electrical and Electronics Engineers (IEEE)

Galveston Bay Section

ComSoc, Joint Societies Chapters, LM and Consulting Affinity Groups



ONLINE Virtual Meeting

Friday, July 9th, 2021 9:00 AM- 10:00 AM US-Central (Houston-Chicago)

TOPIC: “Spacecraft: Configuration, Assembly, Design, Integration and Testing”

Speaker: Puneet Kumar Mishra, Head, SACTDS/URSC,

Indian Space Research Organization(ISRO)

PRESENTATION: Systems engineering of a spacecraft project requires execution of a series of subprojects to make it successful. The talk will describe the processes involved in each of the steps of a successful spacecraft project. The discussion will entail the configuration and design aspect of the spacecraft, focusing on the important factors involved. The methodology of subsystems' assembly, their integration and testing will be looked into. How does the satellite thus assembled is characterized and cleared for the launch will be the final part to be discussed?

PRESENTER: Puneet Kumar Mishra earned his M.Tech (RF & Microwave) from IIT Roorkee(India) in the year 2004. Since 2004 he is with U R Rao Satellite Centre, Bangalore. His experience includes RF characterization of 45 Satellites, 300 antennas and radomes. He has indigenously developed C-Band, Ku-Band and Ka-Band Compact range feeds to meet various requirements of ISRO's satellite program and played a pivotal role in establishing satellite level EMC facility. He is also responsible for establishment of Asia's largest Subsystem level Magnetic Measurement Facility and World's first and largest compact range with 10 m quiet zone. He has also developed a payload to study the RF blackout phenomenon during re-entry of space vehicle and has successfully developed Indigenous BusBars for High power satellites and used in multiple spacecrafts.

Puneet has Received IETE-IRSI Young Scientist Award (2012), ISRO Young Scientist Award (2013), ASI-ISRO Space Gold Medal (2014), GE Foundation Award for Academic Excellence and Leadership (2002-2004), IEEE MGA Achievement Award (2017) and 6 best paper awards. He has published more than 45 technical papers in conference/proceedings and IEEE Transactions. He is Senior Member of IEEE, Fellow of IETE & IE(I) and Life Member of ASI. He has held several leadership positions at IEEE Bangalore Section and India Council. Presently he is serving as Vice Chair, IEEE India Council, serving on Global Committees of IEEE Industry Engagement, IEEE AESS and IEEE APS. At Indian Space Research Organization (ISRO), Bangalore Presently Puneet is Head of the Satellite Antenna Characterization, Test & Design Section of U R Satellite Centre.

THIS EVENT IS ORGANIZED BY GALVESTON BAY SECTION JOINT SOCIETIES CHAPTERS, LM and Consulting AFFINITY GROUPS

The presentation is FREE and open to all Interested IEEE and non-IEEE members.

Registration is required by THURSDAY JULY 8th, 2021 (Close of Business) 5:00 PM (US Central) to attend.

FOR REGISTRATION GO TO <https://events.vtools.ieee.org/m/276520>

Log-in Information will be provided to all registrants on completing the registration

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