



The Institute of Electrical and Electronics Engineers (IEEE)

Galveston Bay Section
Joint Societies Chapter



ONLINE Virtual Meeting ---June 5th, 2020 11:30 AM-12:30 PM

TOPIC: “CubeSat Mission to Study Solar Particles (CuSP)”

SPEAKER: Walt Downing, President IEEE/AES, Distinguished Speaker

PRESENTATION:

The CubeSat Mission to Study Solar Particles (CuSP) is a NASA Science Mission Directorate sponsored Heliospheric Science Mission that was selected in June 2015 to be launched as one of thirteen secondary payloads aboard the Space Launch System (SLS) during the Artemis I mission later this year. CuSP is a 6U CubeSat containing three scientific instruments to study the sources and accelerations of solar and interplanetary particles in near-Earth orbit in support of space weather research. Southwest Research Institute is leading the CuSP mission and is the spacecraft integrator. The three instruments were built by SwRI, NASA Goddard Space Flight Center, and the Jet Propulsion Laboratory. CuSP is a pathfinder for future interplanetary and space weather CubeSats.



PRESENTER:

Walt Downing is the Executive Vice President and Chief Operating Officer of Southwest Research Institute (SwRI®) in San Antonio, Texas, a not-for-profit organization conducting contract research in the physical sciences and developing innovative technologies for the betterment of humankind. Walt joined SwRI in 1979 as an engineer initially working in the field of automated testing of aerospace systems. In 1981 he established an avionics and support systems section that he managed. Walt provided focus on solving reliability, maintainability, and supportability problems in existing aerospace systems through technology insertion. In 1994 he was appointed Vice President of Aerospace Electronics and Training Systems and in 1998 he was appointed Executive Vice President and became a member of the SwRI Board of Directors. In 2016 Walt was recognized with the additional title of Chief Operating Officer.

Walt is an advocate of academic excellence and community service. He serves on the industry advisory boards for the College of Engineering and the College of Business at the University of Texas at San Antonio and was a member of the Board of Trustees of St. Mary's University. He is a member of the Gamma Omicron chapter of IEEE-HKN and is an industry advisor to the Kappa Upsilon (UTSA) chapter. Walt graduated from Southern Methodist University with a BSEE and the University of Texas at San Antonio with an MBA. He is a registered professional engineer in the states of Texas and Florida.

Organized by the GBS/Joint Societies Chapter, the presentation is open to all Interested IEEE and non-IEEE members. Registration is needed by WEDNESDAY June 3rd to attend. Log-in Information will be provided to all registrants. Send your registration request to Dr Zafar Taqvi at ZTaqvi@IEEE.org by COB June 3rd.

Forthcoming Meetings- June 12th - "Disruptive Technology Adoption and Acceleration in Building Smart Cities", and June 19th – “Quashing COVID19: how the Corona virus operates and why it has been so difficult to control”

Reservations for lunch or to attend this meeting should be made by email to:

Z.Taqvi@ieee.org

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