The Institute of Electrical and Electronics Engineers(IEEE)
Galveston Bay Section
EMC Chapter Meeting

December 11th (Monday 11:30am-1pm)
SPEAKER: Dr. Bob Scully – NASA Johnson Space Center

PRESENTATION: Shielding Fundamentals

Various approaches have been employed over time to describe electromagnetic shielding and its effectivity, but perhaps the most well-known relies heavily on theoretical development by S. Schelkunoff. Developed on the basis of impedance relationships at interfaces, observed and/or expected behavior can be described using simple equations. Related discussions focus on engineering aspects of shielding including design and magnetic effects.

SPEAKER: Bob holds a PhD from the University of Texas at Arlington in Electrical Engineering with strong emphasis in electromagnetics, is an IEEE Fellow, a registered Professional Engineer in the state of Texas, a licensed commercial (PG-12-27194) and amateur (N9RCS) radio operator, holds various EMC certifications from the University of Missouri-Rolla (now Missouri University of Science and Technology) and iNARTE, and is a member of Tau Beta Pi and Eta Kappa Nu.

For the IEEE EMC Society, Bob has served as President of the Society, Vice Pres of Technical Services, and all Officer positions for the Technical Activities Committee, Technical Committee 1, and Technical Committee 4. Bob was also an Associate Editor for the EMC Society Transactions, and is currently serving as the founder and Chair of the Galveston Bay/Houston EMC Chapter.

Bob holds a Federal GS15 rating, and is the Johnson Space Center Electromagnetic Compatibility (EMC) Group Lead Engineer, serving as the technical lead for EMC at the Center. Bob is also the lead for the Community of Practice for EMC within the Agency. Bob supports NASA's major programs including the International Space Station, the Multi-Purpose Crew Vehicle, and the Commercial Crew Development Program, providing expertise and guidance in development of tailored electromagnetic compatibility specifications, including control plans, interference control testing methodologies, ESD control, and lightning protection and test.

Boeing Bldg Rm 4C303 – 3700 Bay Area Blvd (just east of UH-Clear Lake)

Free parking in front of Boeing Building as well as in the adjacent parking garage.
Interested non-IEEE engineers, technicians, scientists, IEEE Members are all welcome!

11:30 AM – Lunch (Bring your own)
12:00 - 1PM – Program and Q&A

Boeing Badge or temporary badge is required: US Citizens please RSVP to george.c.may@boeing.com with your name & company/govt org; For this meeting , non-US Citizens can only attend virtually.

For those who will not be able to attend in person, Webex information is available in the announcement email.

Send questions to george.c.may@boeing.com IEEE GBS website: http://ewh.ieee.org/r5/galveston_bay