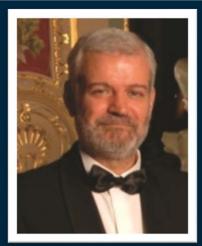


RADAR Role: From the Underground to Outer Space



Date:

13 November, 2018

Time:

01:00 PM to 3:00 PM

Location:

TSRB Auditorium 85 5th Street NW Atlanta, GA 30308

Space is limited, RSVP to https://events.vtools.ieee.org/m/178884

For details, please contact:

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IEEE SPS Distinguished Lecture Series

Co-Sponsored by the Georgia Tech School of Electrical and Computer Engineering

Dr. Alfonso Farina, LFIEEE IEEE Distinguished Industry Speaker

Abstract. This lecture will provide an in-depth look into the role of radar in several fields of engineering, providing a brief historical overview and presenting several real applications. This will include an overview of Radar applications from underground to earth imaging and Space Situational Awareness (SSA), SAR (Synthetic Aperture Radar) and SAR differential interferometry, mitigating the electromagnetic spectrum erosion, SKA (Square Kilometer Array) for radio astronomy, and the first detection of gravitational waves by dispersed interferometers. In conclusion, we will look at the future of Radar, and what is coming next.

Biography. Alfonso FARINA received his doctor degree in Electronic Engineering from the University of Rome (IT) in 1973. In 1974, he joined Selenia, then Selex ES, where he became Director of the Analysis of Integrated Systems Unit, Director of Engineering of Large Business Systems Division, and senior VP and Chief Technology Officer. From 1979 to 1985, he was also professor of "Radar Techniques" at the University of Naples (IT). He is author of more than 700 peerreviewed technical publications and of books monographs. Some of the most significant awards he received include the (2004) Leader of the team that won the First Prize of the first edition of the Finmeccanica Award for Innovation Technology; (2005) Radar A; (2010) IEEE Dennis J. Picard Medal for Radar Technologies and Application. Today, Dr. Farina is a Visiting Professor at University College London (UCL), Dept. Electronic and Electrical Engineering, Visiting Professor at Cranfield University (UK) (2018-2020) and a Distinguished Lecturer (DL) of IEEE. He is a consultant to Leonardo "Land & Naval Defense Electronics Division" (Rome).