



The Long Island Chapter of IEEE Communication Society is presenting a lecture titled:

## **Satellite Communications**

Wednesday, March 13, 2019, 6:00 PM

**WHO SHOULD ATTEND?** (1) Anyone interested in the current technology used in Satellite Communications. (2) Engineers, Students, managers involved in or are curious about the latest trends in satellite communications or related communication systems.

**SPEAKER:** Howard Hausman, President/CEO, RF Microwave Consulting Services, Inc. and Adjunct Professor at Hofstra University.

**ABSTRACT:** Synchronous orbit satellites and the fast-growing Medium Earth Orbit (MEO) and Low Earth Orbit (LEO) satellites constellations are competing with the high-volume terrestrial communications market. Typically satellite communication systems are the medium of choice in the rural and underserved communities, but the use of High Through Put (HTP) techniques and technologies level the field when compared with cable and terrestrial wireless systems. This lecture explains some of the cutting-edge methods deployed by the satellite industry to maximize data through-put and signal availability. These techniques are applicable to ground base systems as well as airborne and navel applications. Some current and near future satellite systems that optimize coverage and data rates will be discussed.

**SEMINAR COORDINATORS:** Howard Hausman and Mr. Santo Mazzola

**SPEAKER'S CREDENTIALS:** *Howard Hausman received his MSEE degree from Polytechnic University/Tandon School of Engineering, NYU where he was an Adjunct Professor. He is currently President/CEO of RF Microwave Consulting Services and an Adjunct Professor at Hofstra University. Formerly Mr. Hausman was CTO and VP of Engineering, before being appointed President/CEO of MITEQ Inc., a world renown microwave engineering company with approximately 700 employees. He has designed hardware, wrote papers and lectured on microwave systems and components for Satellite Communications, Space Systems, Radar and Reconnaissance systems. Howard Hausman is a recipient of an NYU Distinguished Alumni Award, the IEEE LI Alex Gruenwald Award "For outstanding contributions to enhance the knowledge of the IEEE LI Section members", and a NASA Award for work on the Mars Landing System. Mr. Hausman is currently the Chairman of the IEEE LI Communications Society and was awarded a patent "Measuring Satellite Linearity from Earth Using A Low Duty Cycle Pulsed Microwave Signal". He also authored a text book "Microwave Power Amplifier Design with MMIC Modules" published by Artech House.*

**LOCATION, TIME, AND REGISTRATION:** This lecture will be held at BAE Systems located at 450 Pulaski Road, Greenlawn, NY. The facility is located just east of Park Ave (Suffolk County Rte 35) on Pulaski Road. The presentation will begin at 6:30 PM. Pizza & beverages will be served starting at 6:00 PM. Seating is limited. If you wish to attend, an RSVP is required prior to the meeting. To register please visit the VTools registration link <https://events.vtools.ieee.org/m/191241> and fill out the form. Registrants must be US citizens. Please enter through the Main Atrium entrance on Pulaski Road.