

AOC Granite State Roost Joins with IEEE for EW Presentation

On Thursday, September 14, 2017, the AOC Granite State Roost joined forces once again with IEEE, specifically the Microwave Theory and Techniques and the Communications Societies to host an evening social event at Nashua Country Club¹, Nashua, NH. Mr. Phil Gresock, Keysight Technologies, Colorado, gave a presentation on “Analysis of Modern Radar and Electronic Warfare Signals Utilizing Advanced RF Measurement Techniques.” Approximately 25 Crows, IEEE members and spouses attended the event. Delicious pizza was served prior to the presentation, and members socialized in a very classy meeting room in the NCC main banquet facility. Mr. Gresock was accompanied by Mr. Joe Gencorelli, Account Manager and Field



Engineer for Keysight. Mr. Gresock gave a basic explanation of radar signals in a notional operational environment, and then went on to explain that for jamming signals to effectively defeat a threat, they must spoof the emitter with false range/location, velocity, or direction. This spoofing is accomplished by manipulating both the time and frequency domain of the jamming signal. Measuring signals that do both is difficult. Spectrum analyzers do a fine job analyzing the frequency domain, but lack fidelity in the time domain. Oscilloscopes analyze the time domain effectively, but lack capacity in the frequency domain. Keysight has developed a novel test measurement device that aptly displays both time and frequency domain behavior of jamming signals under test. At the end of the presentation, Mr. Don Sherwood, Chairperson of the local chapter of MTT and a Crow, presented Mr. Gresock with a 50th Anniversary AOC Yearbook, and a certificate of thanks.

Granite State Roost continues to energize its chapter activities. Just recently, Global AOC awarded Granite State Roost the Distinguished Chapter Award, Medium Category, for 2017. GSR works to strengthen Electronic Warfare, Electromagnetic Spectrum Operations, and Cyber Warfare in the northern New England area. For more information about GSR, contact Mr. Steve “Tango” Tourangeau, President, 603-459-3619. stourangeau@warriorss.com.

¹ Thanks to Nashua Country Club for the privilege to hold board meetings and IEEE technical events and meetings at their facility, 25 Fairway St, Nashua, NH 03060. <http://www.nashuacountryclub.com>.