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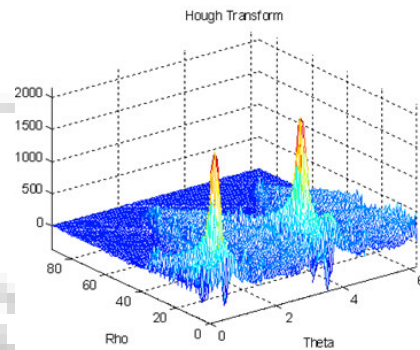


The Puget Sound Chapter of AESS presents
***The future of EW and modern
radar signals***

Dr Richard Wiley—Research Associates of Syracuse (RAS), Inc.
6:30-7:30pm, Tuesday, March 31, 2009

LPI Radar is a type of signal that fielded ESM systems are unable to intercept at ranges acceptable for countering the threat posed by the radar. The radar makes use of low average power and modulations that have a high duty cycle. ELINT and ESM receivers are generally designed for low duty cycle high peak power signals which are intercepted and processed on a single pulse basis.

This presentation will explore the limitations of both radar and ESM receivers and suggest ways to improve performance of ESM receivers when confronted with LPI radar signals.



HT of CWD of 2 LFM signals in noise

To attend, **please RSVP no later than 30 March 2009** to Reece Lumsden at reece.h.lumsden@boeing.com

You must be on the AESS distribution list to receive the Dimdim meeting notice.

Speaker Bio: Dr. Richard Wiley, Vice President and Chief Scientist of RAS, Inc., has over 40 years of experience in ELINT/EW, specializing in signal analysis and receivers. He has written four books and many technical papers. Dr. Wiley developed many pioneering ELINT techniques including the rapid scan superhet for LPI signals, deinterleaving techniques, optimum scan strategies, advanced radar techniques, improved ESM receiver sensitivity, etc. He served the Association of Old Crows as chair of the professional development committee from 2001-2007. He was elected a Fellow of the IEEE. He received BS and MSEE degrees from Carnegie-Mellon University and the Ph.D. from Syracuse University.

