

## **Dr. Thaddeus (Ted) Kochanski SB, Ph.D.**

**Affiliate Professor Electrical and Computer Engineering and Critical Infrastructure  
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Dr. Kochanski is an experimental physicist, systems engineering consultant and entrepreneur, with a passion for informal education and history. His contributions include: wired and wireless sensor networks, soft x-ray, VUV, IR and cosmic-ray muon-based imaging, Giga-scale IC's, radar propagation, Ground Penetration Radar, data acquisition, signal processing and interactive multimedia.

He is an Affiliate Professor in the University of New Hampshire's Department of Electrical and Computer Engineering. Dr. Kochanski received the IEEE Third Millennium Medal and the Gold award with Sapphire Gem of the Museum of Science where he volunteers as an exhibit interpreter and regularly demonstrates the SEM. In the area of homeland security he has been: Program Chair for the *2002 - 2007 IEEE Conference on Technologies for Homeland Security*; co-organizer *Special Session on Homeland Security for the Sensors in Industry Conference (Houston 2002, New Orleans 2004)*; Technical program coordinator for "*Working Together: R&D Partnerships in Homeland Security*", a DHS sponsored Research Conference, Boston, April 2005; Chair Special Session at the first *IEEE International Conference on Technologies for Homeland Security and Safety (TEHOSS 05)*, Gdansk, Poland October, 2005.

Dr. Kochanski recently launched the Critical Infrastructure Dependability Initiative under the auspices of the IEEE Boston Section. He has written editorials for the IEEE Boston Reflector including: "*Nano Nano*" on nanotechnology, "*The Hub of Innovation: Two Cheers for local IEEE Milestones*", about the Boston Fire Alarm Telegraph and the Traction Power Supply for the West End Street Railway; and most recently "*No User Serviceable Parts Inside: Or are we now all System Engineers?*". He is immediate past-Chair of the IEEE Boston Section, and permanent Chair of the Local Conferences Committee, Chair of the New Initiatives Committee and Chair of the Web subcommittee of the Publications Committee.

Dr. Kochanski has also worked for Tokamak Fusion Research at the University of Texas at Austin; Defense System Analysis at MIT Lincoln Laboratory and is the founder or Sensors Signals Systems and co-founder of several technology enterprises.