MURI Review Meeting
Adaptive Waveform Design for Full Spectral Dominance
The Knight Center, Washington University in St. Louis
November 18, 2009

Agenda

07:00-08:30	**Breakfast**
08:30-08:40	**Welcome:** Arye Nehorai (Washington University in St. Louis), Jon Sjogren (AFOSR)
08:40-09:00	**Introduction:** Arye Nehorai (Washington University in St. Louis)
09:00-09:30	**Unitary Waveform Design for Accurate Target Ranging in the Presence of Doppler** Mike Zoltowski (Purdue University)
09:30-10:00	**Waveform Design, Gabor Analysis, and Radar Ambiguity Functions** Wojciech Czaja (for John Benedetto, University of Maryland)
10:00-10:30	**Break**
10:30-11:00	**Novel Waveform and Processing techniques for Radar Resolution Enhancement** Mark R. Bell (Purdue University)
11:00-11:30	**Dynamic Waveform-agile Tracking** Antonia Papandreou-Suppappola and Darryl Morrell (Arizona State University)
11:30-12:00	**Practical Adaptive Radar Waveform Optimization for Detection in Colored Noise** Lee Patton (USAF AFRL/RYRT)
12:00-01:30	**Lunch**
01:30-02:00	**Exploiting Spatial, Frequency, and Polarization Diversities for Detection and Tracking** Arye Nehorai (Washington University in St. Louis)
02:00-02:30	**Design and Performance Bounds for Low Ambiguity Radar Waveforms by Adaptive Radon Transforms** Navin Khaneja (Harvard University)
02:30-03:00	**Break**
03:00-03:30	**Propagation Models: Complex Point Sources and Incremental Methods** Danilo Erricolo (University of Illinois at Chicago)
03:30-04:00	**Sense and Sensitivity** Yuejie Chi (for Robert Calderbank, Princeton University)
04:00-04:30	**Discussion and Wrap Up**
04:30	**Adjourn**