KASSPER Workshop

Agenda
April 3, 2002
Washington, D.C.

0730 – 0800	Registration	
0800 – 0900	Featured Address: Knowledge-Aided Sensor Signal Processing and Expert Reasoning (KASSPER)	Dr. Joseph Guerci/DARPA
0900 – 0945	Plenary Address: Incorporating Knowledge Base Techniques in Radar Signal Processing - Past, Present and Future	Dr. Michael Wicks/AFRL
	Knowledge-Aided Algorithms	
0945 – 1025	Knowledge-Assisted STAP Analysis Using Measured Airborne Radar Data	Dr. William Melvin/GTRI Dr. Daren Zywicki/GTRI
1025 – 1055	Break	
1055 – 1135	Structured Clutter Covariance Estimation for STAP Using Terrain Elevation Data	Dr. Daniel R. Fuhrmann/WU Dr. Joseph A. O'Sullivan
1135 – 1200	AFRL KASSPER Algorithm Testbed	Mr. Jeffrey Tyler/BRSC
1200 – 1300	Lunch	
	Environmental Modeling for Knowledge-Aided Processing	
1300 – 1340	Radar Phenomenology Modeling and High-Fidelity Data Generation	Mr. Paul Techau/ISL Mr. Jameson Bergen/ISL
1340 – 1420	AFRL Research Laboratory Space-Time Adaptive Processing (RL-STAP) Simulation Tool	Mr. Robert Hancock/CAE Soft
1420 – 1500	Application of Cultural Data Bases in Site-Specific Clutter Modeling	Dr. Daren Zywicki/GTRI Dr. William Melvin/GTRI
1500 – 1530	Break	
	High Performance Embedded Computing for Knowledge-Aided Processing	
1530 – 1610	KASSPER Real-Time Embedded Signal Processor Testbed	Dr. Edward Baranoski/MIT/LL Mr. Glenn Schrader/MIT/LL
1610 – 1650	Signal Processing Algorithms for KASSPER	Dr. Charles Rader/MIT/LL Mr. Nick Pulsone/MIT/LL Mr. Dan Kriethen
1650 – 1700	Closing Remarks	Baldygo/Guerci