

Systems Engineering Advancement Research Initiative



RESEARCH SUMMIT

October 19, 2010

What: SEARI Annual Research Summit: Dynamic Strategies for Uncertain Futures

When: Tuesday, October 19, 8:30AM to 5:00PM

Where: MIT Faculty Club, 50 Memorial Drive, 6th Floor, Cambridge, MA

Format: SEARI researchers will present overall profiles of the research portfolio and latest research findings. Current and former research assistants will give research reports on selected projects, and several brief overviews on research will be shared in an interactive poster session. The summit will conclude with a dialogue to gather participant feedback on research needs and priorities.

FINAL AGENDA – OCTOBER 19 RESEARCH SUMMIT

8:30	Check-in and breakfast	
9:00	Welcome and Introductions	Dr. Donna Rhodes, SEARI Director
9:30	SEARI Overview and Motivations	Dr. Donna Rhodes, Research Director
10:10	Research Topic: <i>Multi-Epoch Thinking and Considerations for Dynamic Strategies</i>	Dr. Adam Ross, Lead Research Scientist
10:45	Break	
11:00	Research Report: <i>Problems from the Field: Motivations for SEARI Methods and Constructs</i>	Lt. Col. Luke Cropsey, USAF & SEARI Alumnus
11:30	Research Report: <i>Exploring Modes of Operation to Increase Survivability in Systems of Systems</i>	Mr. Brian Mekdeci, SEARI Research Assistant
noon	LUNCH	
1:00	Research Topic: <i>Evolving SE Methods across the Research Lifecycle for Transfer to Practice</i>	Dr. Donna Rhodes, Principal Research Scientist
1:30	Research Report: <i>Lessons from the Field: Applying SEARI Methods and Processes within the Aerospace and Defense Market</i>	Mr. Andrew Long, SEARI Affiliate
2:00	Stretch Break	
2:10	Research Preview: <i>Overview of Research Topics</i>	Dr. Adam Ross, Research Scientist
2:50	Research Poster Session with Refreshments	SEARI Research Assistants
4:15	Participant Feedback and Recommendations for Research	SEARI Leadership
4:55	Closing Remarks	Dr. Donna Rhodes
5:00	Adjourn	

About SEARI

<http://seari.mit.edu>

The Systems Engineering Advancement Research Initiative brings together a set of sponsored research projects and a consortium of systems engineering leaders from industry, government, and academia. SEARI is uniquely positioned within the Engineering Systems Division (ESD) at the Massachusetts Institute of Technology (MIT), a new kind of interdisciplinary academic unit that spans most departments within the School of Engineering, as well as the School of Science, School of Humanities, Arts, and Social Sciences, and Sloan School of Management. This setting offers a robust, interdisciplinary research and learning environment for advancing systems engineering to meet contemporary challenges of complex socio-technical systems. SEARI has strategic relationships with several MIT programs, including the System Design & Management Program (SDM).