

Systems Engineering Advancement Research Initiative



RESEARCH SUMMIT

What: SEARi Annual Research Summit: "Ingenuity, Innovation, and the Illities—Creating Capabilities for the Long Run"

When: Friday, October 21, 8:30AM to 4:30PM

Where: MIT Faculty Club, Dining Room East, 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 21 RESEARCH SUMMIT

8:30	Check-in and breakfast	
9:00	Welcome and Introductions	Dr. Donna Rhodes, SEARi Director
9:30	SEARi Overview and Research Motivations	Dr. Donna Rhodes, Research Director
10:00	Research Topic: <i>Using Serious Gaming to Experience Dynamic Uncertainties and Illities</i>	Dr. Adam Ross, Lead Research Scientist
10:40	Break	
11:00	Research Report from the Field: <i>Managing Innovation in Technology-Intensive Organizations: The need to move beyond stages and gates</i>	Professor Zoe Szajnarfarber, George Washington University & SEARi Alumnus
11:30	Research Report: <i>Examining Survivability of Systems of Systems</i>	Mr. Brian Mekdeci, SEARi Research Assistant
noon	LUNCH	
1:00	Research Topic: <i>Leveraging Ingenuity, Innovation and Illities in Architecting Socio-Technical Systems</i>	Dr. Donna Rhodes, Principal Research Scientist
1:30	Research Report from the Field: <i>MATE Applied in Industry: A Satellite Constellation Trade Study</i>	Dr. Andrew Rader, Com Dev & former SEARi Postdoctoral Associate
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
4:00	Participant Feedback and Recommendations for Research	SEARi Leadership
4:25	Closing Remarks	Dr. Donna Rhodes
4:30	Adjourn	

About SEARi

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).

<http://seari.mit.edu>