SERC DOCTORAL STUDENT FORUM 2023

November 14, 2023

SYSTEMS ENGINEERING RESEARCH CENTER

15 YEARS

11:00 AM	**Welcome and Opening Comments**
11:15 AM	Model Based Generation of New Insights from Historical Cases **Ms. Marilee Wheaton,** *SERC Doctoral Fellow, The Aerospace Corporation, University of Southern California*
11:35 AM	Closed System Precepts in Systems Engineering for Artificial Intelligence - SE4AI **Ms. Niloofar Shadab,** *Virginia Tech*
11:55 AM	Enabling Understanding of Model Behavior by non-AI Expert Decision Makers Through Novel Visualization **MAJ Christine Krueger,** *George Washington University*
1:15 PM	**Lunch**
2:00 PM	A State-based Probabilistic Risk Assessment Framework for System-of-systems Operations **Ms. Sonali Sinha Roy,** *Purdue University*
2:20 PM	System at a Glance: Eye-Tracker-Enabled Real-Time Adaptive Decision Support for Commanders in Dynamic Environments **Ms. Hyun-Gee Jei,** *Texas A&M University*
2:40 PM	Unveiling Knowledge Structures within Organizations with a Novel Weighting Method **MAJ JD Caddell,** *Stevens Institute of Technology*
3:00 PM	**Networking Break and Poster Expo**
3:30 PM	Behavioral Verification via Model-Checking: A Practical Approach for System Models **Mr. Ibukun Phillips,** *Purdue University*
3:50 PM	An Integrated Holistic Approach Toward Sustainable Product Design Using Life Cycle Assessment **Mr. Hossien Basereh Taramsari,** *Stevens Institute of Technology*
4:10 PM	A Graph Centered Approach to the Verification and Reuse of Systems **Mr. Daniel Dunbar,** *Stevens Institute of Technology*
4:30 PM	Keynote **Dr. Jagadeesh Pamulapati,** *Director, Science and Technology Foundations, Office of the Under Secretary of Defense for Research and Engineering*
5:15 PM	**Adjourn to Reception**