Started in 2012, the SERC Doctoral Students Forum (previously called the SERC Doctoral Fellows Program Forum) provides a unique venue for doctoral students to present their research in an open assembly of leading systems thinkers from government, industry, and academia. Doctoral students from SERC collaborating universities are invited and encouraged to present their work, even if the research was not funded through a SERC research task.

Opening Remarks
12:15p–12:50p  Registration, Check-in, and Networking Time
12:50p–1:00p  Welcome and Introductions
               Dr. Wilson Felder, Director of SERC Doctoral Fellows Program, SERC
1:00p–1:10p  Opening Remarks from the SERC Executive Sponsor
               Mr. Scott Lucero, SERC Program Manager, Office of the Deputy Assistant Secretary of Defense for Systems Engineering

SERC Doctoral Fellow Presentations
               Mr. Jorge Buenfil, ARDEC-Picatinny Arsenal SERC Doctoral Fellow
1:40p–2:05p  A Predictive Analysis Framework For Six Degrees Of Freedom Vibration Qualification
               Ms. Davinia Rizzo, Sandia National Laboratories (Doctoral Student at Stevens Institute of Technology)
2:05p–2:30p  Model-based Tradeoffs for Affordable, Resilient Systems
               Ms. Marilee J. Wheaton, Aerospace SERC Doctoral Fellow
2:30p–3:00p  Break
3:00p–3:25p  Uncertainty Quantification-driven Model-Based Engineering for Defense System Design and Evaluation
               Mr. Douglas Ray, ARDEC – Picatinny Arsenal SERC Doctoral Fellow
3:25p–3:50p  Mission-Based Architecture for Swarm Composability (MASC)
               Ms. Kathleen Giles (Doctoral Student, Naval Postgraduate School)
3:50p–4:15p  Rotorcraft Tradespace Exploration Incorporating Reliability Engineering
               Mr. Saikath Bhattacharya (Doctoral Student, University of Massachusetts)
               Mr. Pooyan Behnamghader (Doctoral Student, University of Southern California)
4:40p–5:05p  Improving System Performance and Tradeoffs through Design Space Exploration
               Mr. Chong Tang (Doctoral Student, University of Virginia)

SDSF Keynote Address
5:15p–6:00p  Research Priorities and Challenges in the National Security Ecosystem – Dr. Jason Providakes, President and CEO, MITRE Corporation
6:00pm – 7:00pm  Reception