



## Agenda

The SERC Doctoral Fellows Program was started in 2012 as an evolution of the SERC's unique research collaboration model to allow Ph.D. students at participating organizations to access our Collaborator Universities' leading systems thinkers as research advisors. The Forum will review our accomplishments over the past year as well as discuss program benefits from the perspectives of key stakeholders.

Opening Remarks (Room: Auditorium)	
12:00p-1:00p	Registration (Auditorium)
1:00p-1:20p	Welcome and Opening Remarks from the SERC Executive Director <i>Dr. Dinesh Verma, SERC Executive Director and Dean of the School of Systems and Enterprises, Stevens Institute of Technology</i>
1:20p-1:30p	Remarks from the SERC Executive Sponsor <i>Mr. Scott Lucero, SERC Program Manager, Office of the Deputy Assistant Secretary of Defense for Systems Engineering</i>
1:40p -2:00p	Overview of the SERC Doctoral Fellows Program <i>Dr. Mitchell Kerman, Director of Program Development and Transition, SERC, Stevens Institute of Technology</i>
Presentations by selected Doctoral Students (Room: Auditorium)	
2:00p-2:30p	Composable Architecture & Design: Applying Product Family and Systems of Systems Concepts to the Design of Unique, Complex Cyber-Physical Systems <i>Mr. Christopher Oster, Stevens Institute of Technology</i>
2:30p-3:00p	Flexible, Intelligent & Learning Architectures for SoS (FILA-SoS): An Approach for Architectural Evolution in Systems-of-Systems <i>Mr. Siddhartha Agarwal, Missouri University of Science and Technology</i>
3:00p-3:30p	Simulation of Business Ecosystem Dynamics using Big Data: Framework Formulation and Validation <i>Mr. Hyunwoo Park, Georgia Institute of Technology</i>
3:30p-3:45p	Networking Break (Level 2 Overlook)
3:45p-4:15p	Agent-based Modelling and Data Visualization to Simulate the Dynamics of Healthcare Industry <i>Ms. Zhongyuan (Annie) Yu, Stevens Institute of Technology</i>
4:15p-4:45p	Using MBSE to Develop Automated and Cost-Effect Access to Supply Chain Analysis <i>Mr. Timothy Sprock, Georgia Institute of Technology</i>
4:45p-5:15p	Improving System Affordability During Requirements Elicitation: Bridging Theory and Practice <i>Dr. Alejandro Salado, Stevens Institute of Technology</i>
5:15p-5:45p	Information Alignment and Visualization for Cyber-Physical Network Operations Center Teams <i>Mr. Omar Eldardiry, Purdue University</i>
5:45p-6:00p	Discussion and Wrap-up
6:00p-6:45p	Reception (Noelia, 1319 F St. NW, Washington, DC 20001) <b>(F St. between 13<sup>th</sup> and 14<sup>th</sup> Streets)</b>
7:00p-9:30p	SERC Collaborator Dinner (Noelia, 1319 F St. NW, Washington, DC 20001)