



Development of Aerospace Actuation Systems

Fall 2022 | SYSE580A3
5:15 - 8:00 p.m. Wednesday

Dr. Kamran Eftekhari Shahroudi

Course prerequisites: ECE 331 or ECE341 or ECE342 OR MECH 307 or MECH 324 or MECH 325 or equivalent.

Dr. Kamran Eftekhari Shahroudi has been working with Woodward, Inc. for 25 years. His current role is Technical Fellow: Aerospace Actuation Systems Engineering; Model-Based Systems Thinking and Engineering.

A systematic, modern approach to aerospace actuation systems.

Local industry partners like Woodward, Inc. and Lockheed Martin Corporation, as well as worldwide aircraft makers and actuation systems suppliers (e.g. Moog, Parker, Collins, Safran, and Liebherr), are in need of multi-skilled students who are capable of developing next generation aerospace actuation systems.

Topics covered in this course:

- Needs and constraints for actuation in aerospace
- Power and signal architecting
- Critical analysis of in-service architectural designs
- Best practices in system-level modeling and simulation



Interested in a future career in aerospace?

Questions?

Dr. Kamran Eftekhari Shahroudi
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We recommend registering for Fall 2022 classes by August 15.



SYSTEMS ENGINEERING
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