

October 25, 2023

TO: Members of the Board of Trustees

FROM: Anne D'Alleva, Ph.D.
Provost and Executive Vice President for Academic Affairs



RE: Appointment of Associate Professor Fei Miao to the Pratt & Whitney Associate Professorship in Advanced Systems Engineering in the College of Engineering

RECOMMENDATION:

That the Board of Trustees approve the appointment of Associate Professor Fei Miao to the Pratt & Whitney Associate Professorship in Advanced Systems Engineering in the College of Engineering.

BACKGROUND:

This Professorship was established by an endowment from Raytheon Technologies Corporation (formerly known as United Technologies Corporation) on November 19, 2013, and subsequently amended and restated by a new agreement dated August 29, 2022, as part of a major investment at UConn to advanced systems engineering. This Professorship supports multiple Associate Professors who are nationally or internationally recognized researchers, scholars and teachers, and who will have made significant contributions to the field of advanced systems engineering.

The appointment of Dr. Fei Miao follows the unanimous recommendations of Dean Kazem Kazerounian, the College of Engineering Executive Council and the Selection Committee of the Pratt & Whitney Institute for Advanced Systems Engineering (P&W-IASE). This appointment will be effective through August 22, 2026.

Dr. Fei Miao received her Ph.D. from the University of Pennsylvania (UPenn) in 2016 and was awarded the "Charles Hallac and Sarah Keil Wolf Award for Best Doctoral Dissertation" in Electrical and Systems Engineering, the highest award for Ph.D. Following a one-year postdoctoral appointment at UPenn, she joined the Computer Science and Engineering Department in the School of Engineering at UConn as an Assistant Professor in 2017 and was promoted to Associate Professor with tenure in August 2023.

Dr. Miao is currently focusing on research related to Intelligent, Autonomous Systems and Control on Learning and Control, Multi-Agent Systems and Robotics, Data-Driven Robust Optimization, Game Theory, and CPS Security, with application areas such as Connected Autonomous Vehicles, Intelligent Transportation Systems, Transportation Decarbonization, and Smart Cities. She has been successful in securing external funding of \$1.7 million for herself and over \$6 million in funding as PI or a co-PI. Currently, she is a PI on four NSF projects. She published ten journal articles. She has been actively involved in PW-IASE research and training efforts and has been teaching SE5201 "Embedded/Networked Systems Modeling Abstractions" for the MEng students of the PW-IASE since 2018.