UCONN
UNIVERSITY OF CONNECTICUT

Office of the Provost
Anne D'Alleva, Ph.D.
Provost and Executive Vice President
for Academic Affairs

September 27, 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 Matthew Stuber to the Pratt & Whitney Associate Professorship in Advanced Systems Engineering in the School of Engineering

RECOMMENDATION:

That the Board of Trustees appoint Associate Professor Matthew Stuber to the Pratt & Whitney Associate Professorship in Advanced Systems Engineering in the School of Engineering.

BACKGROUND:

The Pratt & Whitney Associate Professorship in Advanced Systems Engineering in the School of Engineering was established by an endowment from Raytheon Technologies Corporation (formerly known as United Technologies Corporation) on November 19, 2013, and subsequently amended on 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. This appointment will be effective August 23, 2023 through August 22, 2028.

The appointment of Dr. Matthew Stuber follows the unanimous recommendations of Dean Kazem Kazerounian, the School of Engineering Executive Council, and the Selection Committee of the Pratt & Whitney Institute for Advanced Systems Engineering (P&W-IASE).

Dr. Stuber received his Ph.D. from the Massachusetts Institute of Technology in 2013. He joined UConn in 2016 as an Assistant Professor and was promoted to Associate Professor with the award of tenure in August 2023. While at UConn, Prof. Stuber has published 13 peer-reviewed research articles in high-quality journals across a range of applications including water treatment and desalination, solar power hybridization for process industries, advanced manufacturing, healthcare, and advanced agriculture. Dr. Stuber is the creator of the world's first open-source deterministic global optimization solver that is as fast (or faster) than the state-of-the-art commercial solver by exploiting novel

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algorithms and software implementations that enable the solution of many previously unsolvable problems. Dr. Stuber has given five invited talks (including three international). As a teacher, Dr. Stuber has developed the graduate course SE5102/CHEG5339 Uncertainty Analysis, Robust Design, and Optimization specifically for the IASE certificate and Master's programs. He has consistently received among the highest overall student reviews among UConn engineering graduate and professional courses.