UCONN
UNIVERSITY OF CONNECTICUT

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

December 11, 2024

TO: Members of the Board of Trustees

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

RE: Appointment of Dr. Song Han 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 Dr. Song Han 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) dated November 19, 2013, as part of a major investment at UConn to advanced systems engineering and subsequently amended and restated by executing a new agreement dated August 29, 2022. 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. Song Han follows the unanimous recommendations of Dean Ji-Cheng Zhao, the College of Engineering's Executive Council and the Selection Committee of the Pratt & Whitney Institute for Advanced Systems Engineering (P&W-IASE). The appointment will be effective January 1, 2025, through December 31, 2029.

Dr. Song Han received his Ph.D. in Computer Science from the University of Texas at Austin in 2012 and joined UConn in 2013. He is currently an Associate Professor in the School of Computing and was the Castleman Term Professor in Engineering Innovation during 2020-2023. Dr. Han has been an affiliated faculty member of the P&W-IASE from 2014. He has made significant contributions to IASE from both research and education aspects. Dr. Han is a world-renowned scholar in the field of industrial IoT, real-time/embedded systems, and cyber-physical systems. He has published over 180 scholarly articles with 7000+ citations and received multiple Best Paper Awards. Dr. Han works collaboratively with his colleagues in obtaining R&D funding from federal agencies and industrial sponsors. So far, Dr. Han has received 37 research grants and contracts (a total funding of about $11 million) as the PI and a Co-PI of which he has been the PI on 19 projects. These projects include 12 from NSF, 5 from US DOT, 1 from DOE, 1 from AFRL, 1 from NASA, 2 from OAIC/NIH, and multiple grants from industrial companies (Emerson, Rosemount Measurements, Texas Instruments, Microsoft Research) and UConn internal programs (CICATS, REP and SPARK).

352 MANSFIELD ROAD, UNIT 1086
STORRS, CT 06269-1086
PHONE: 860.486.4037
EMAIL: anne.dalleva@uconn.edu
WEB: provost.uconn.edu

Dr. Han is also a dedicated and enthusiastic educator for systems engineering and has been consistently contributing to IASE education program several years. He was a core member of the course development team for the advanced embedded systems design series in IASE. He developed and was the instructor for three courses, including SE5301 Embedded/Networked Systems Modeling Abstractions, SE5303 Design Flows for Embedded/Networked Systems, and SE5395 Embedded Systems Capstone Projects. In the past several years, Dr. Han also led the development of a new course, SE5402 Architecture of Internet-of-Things, and has been teaching that course on an annual basis. Thus, Dr. Han has made significant contributions to research excellence and teaching for PW-IASE.

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