THE TEXAS A&M UNIVERSITY SYSTEM

David A. Staack, Ph.D.

Associate Vice Chancellor
The Texas A&M University System

David Staack, Ph.D. is currently an Associate Professor Mechanical Engineering is Texas A&M University and serves as Associate Vice Chancellor for Research, Director of Research Partnerships, and Interim Director of the Texas A&M Semiconductor Institute at the Texas A&M University System.

In his administrative role as Associate Vice Chancellor for Research Dr. Staack supports multi-university and multi-agency research projects, intellectual property and commercialization, institutional infrastructure projects, and industry/university relations. This includes the development of A&M System research initiatives and research partnerships at Texas A&M RELLIS and Texas A&M Fort Worth. As inaugural director of the Texas A&M Semiconductor Institute Dr. Staack is leading the A&M Systems collective responses to the federal CHIPS program and overseeing the establishment of new facilities, research programs, innovations and workforce development programs made possible through the appropriation of $226M to the Texas A&M Semiconductor Institute through the Texas CHIPS act.

Previously in administrative service roles Dr. Staack served for five years as the College of Engineering Director of Undergraduate Laboratory Instruction where he led the brand-new design and implementation of a common laboratory and maker space infrastructure and pedagogy for the entire College of Engineering in the Zachry Engineering Education Complex. He also has served on the Faculty Senate and as Chair of the Faculty Senate Research Committee.

In his roles in Mechanical Engineering, Dr. Staack teaches courses in the areas of fluid mechanics, thermodynamics, heat transfer, plasma engineering, and experimental design. He has an active research program as principal investigator at the Plasma Engineering and Non-Equilibrium Processing Research Laboratory, where his group investigates various plasma discharge and electron beam phenomena and applications. His research touches on many diverse fields including: energy transition technologies, medical device and sensor development, hypersonic and spacecraft propulsion, environmental remediation, oil and gas reforming, carbon sequestration, bio-fuels, drilling technologies, semiconductor processing, advanced manufacturing, and high-speed optical, laser, and x-ray sources and diagnostics. His work includes fundamental research and translation to industry with over 100 archival publications and over 70 patent publications.

David Staack has been a professor at Texas A&M University since 2009, he joined Texas A&M University after receiving his doctorate at Drexel University, working 4 years at Princeton University at the Department of Energy Princeton Plasma Physics Laboratory, and completing his masters and undergraduate degree at the University of Virginia in 2000. Dr. Staack was born in the west Greenwich Village neighborhood of New York City growing up in Westbeth Artists Housing and attending Stuyvesant High School.