Jeff Hung

Chair, Mechanical Engineering Technology at Farmingdale State College

Farmingdale, NY, US

Dr. Hung has been instrumental in the development of hundreds of new inventions for many local industries and inventors.

Biography

Dr. Jeff Hung is a graduate of Farmingdale State College, with a BS degree in Manufacturing Engineering Technology. He obtained his PhD in Materials Science and Engineering and MS degree in Mechanical Engineering from Stony Brook University. He has more than 20 years of experience in Computer-Aided Design (CAD) applications. In addition, his areas of expertise include Computer-Aided Manufacturing (CAM), Computer Number Control (CNC) machining, new product development, fuel cell technology, and vanadium flow battery. He was instrumental in the development of hundreds of new inventions and intellectual properties for many local industries and inventors. Dr. Hung is one of the main instructors of CAD/CAM and CNC machining courses. He has authored two textbooks in Computer-Aided Design, which he updates regularly to reflect the latest technology in CAD. He also holds two patents in fuel cell technology and has published 18 journal and conference publications. His multi-discipline engineering and technology degrees combined with his experience in the field have enabled him to deliver practical teaching materials to his students. Dr. Hung is also an active online instructor. He was nominated by his campus as an Open SUNY Online Teaching Ambassador in 2018. He is both enthusiastic and effective in online teaching, and is a positive and strong advocate for online teaching in the SUNY community. Currently, he is the chair and associate professor of the Mechanical Engineering Technology Department at Farmingdale State College.

Availability

Moderator, Panelist, Corporate Training

Industry Expertise

Manufacturing, Education/Learning, Mechanical/Industrial Engineering

Areas of Expertise

Surface characterization, Rapid Prototyping, Proton Exchange Membrane Fuel cells, Vanadium Redox Flow Batteries, CAD, CAM, and CNC Machining, Corrosion

Affiliations

American Society for Engineering Education

Event Appearances

Effects of Current Scan Rate on the Polarization Curve of Vanadium Redox Flow Batteries
International Energy & Sustainability Conference

Enhancing Freshman Learning Experience in Computer Aided Drafting and Design (CADD) Through Applied Learning Experiences: Connecting the Dots
ASEE Fall Mid-Atlantic 2017 Conference

Learning by Research: A Review of Undergraduate Research Experience in the School of Engineering Technology
ASEE Mid-Atlantic Regional Conference

Design and Development of Online Applied Thermo-Fluid Science Courses
American Society for Engineering Education (ASEE) Annual Conference & Exposition

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Education

Stony Brook University
PhD Materials Science and Engineering

Stony Brook University
MS Mechanical Engineering

Farmingdale State College
BS Manufacturing Engineering Technology
