

Biographical Sketch

Constantine M. Tarawneh, Ph.D.

I was born on March 19th, 1974 in Thessaloniki-Greece. I obtained my B.S. degree in Mechanical Engineering from the University of Jordan-Amman in 1996 with a specialization in the Thermal Sciences area. I came to the USA in August of 1996 to pursue my graduate work. I received my M.S. and Ph.D. degrees in Mechanical Engineering from the University of Nebraska-Lincoln (UNL) in 1999 and 2003, respectively. In August of 2003, I joined the University of Texas-Pan American (UTPA) as a full-time lecturer in the Mechanical Engineering (ME) department, where I was awarded the Lockheed Martin Outstanding Faculty Award in only my second year at UTPA. I received that award seven more times since then in addition to the Outstanding Faculty Mentor Award. Currently, I am a Full Professor in the ME department at The University of Texas Rio Grande Valley (Formerly UTPA). In addition, I am also a Summer Sessions Visiting Faculty at UNL. I have twenty years of experience conducting experimental research, and fifteen years teaching experience. My expertise includes: Acoustics and Vibrations, Mechanical Measurements and Instrumentation, Experimental Heat Transfer, and Thermal Sciences. My dissertation work concerned near-field acoustic scattering by spheroidal objects. I conducted detailed experimental work to verify, modify, and improve the computer codes developed by my advisor in the field of acoustic scattering. All the experiments were performed in a special anechoic chamber which I designed and built to prevent outside noise interference. My thesis topic involved experimental data collection to study the Thermal Performance of Stratified Storage Tanks. I designed and built the experimental apparatus, which included the design and fabrication of a special Plexiglas tank and a piping system. Over the past seven years, I have been conducting railroad related research through several projects sponsored by Amsted Rail. Among my teaching responsibilities are the following courses: Introduction to Mechanical Engineering, Engineering Mechanics, Strength of Materials, Statics, Dynamics, Thermodynamics, Heat Transfer, Heat Transfer Lab, Fluid Mechanics Lab, Introduction to Acoustics and supervising Senior Design Projects at the undergraduate level; and Viscous Flow I & II, Engineering Acoustics, and Heat Exchanger Design at the graduate level. I have been a member of ASHRAE since 1998 and have been listed in the 64th Edition of "Who's Who in America".