



## **Nelson Fumo**

### **Associate Professor**

#### **Biographical Sketch:**

Dr. Fumo is originally from Venezuela where he was an independent consulting engineer for five years and a professor of Mechanical Engineering for 17 years. He earned his Ph.D. in Mechanical Engineering at Mississippi State University in 2008. He earned also a Master's Degree in Mechanical Engineering from the University of Florida and a MBA from the Universidad del Táchira in Venezuela. Prior to coming to UT Tyler in August 2011 as an Assistant Professor, he was an Assistant Research

Professor at Mississippi State University. Dr. Fumo has published more than 25 research papers in international journals, and more than 30 conferences papers presented in national and international conferences. He has also co-authored two books and three book chapters in the areas of energy management and combined cooling heating and power systems. He is the researcher from UT Tyler responsible for the projects developed at the TRANE Residential Heating and Cooling Research Lab at the University of Texas at Tyler.

Dr. Fumo is an active member of the American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE), as part of his involvement with ASHRAE he is the Student Activities Chair of the East Texas Chapter and the Academic Advisor of the ASHRAE Student Branch/Organization at UT Tyler, and a corresponding member of the Technical Committee 7.6 – Building Energy Performance. He is also a member of the American Society for Engineering Education (ASEE). He is the Editor-in-Chief of the Energy Reports Journal published by Elsevier.

#### **Research Interest:**

Dr. Fumo's research interest includes the areas of: energy efficiency and energy conservation in buildings with focus on whole building energy modeling, thermal energy systems design and optimization, as well as applications of HVAC systems, solar energy and ground source heat pumps. Currently he is working with TRANE engineers on research and development of residential heating and cooling systems.

#### **Contact Information:**

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