

## **DISTINGUISHED LECTURE SERIES**

### **GUEST SPEAKER**



***Douglas F Zentz, Associate Professor – HVACR Program Coordinator  
HVACR Program School of Built Environment  
College of Engineering Technology Ferris State University***

**Douglas Zentz** , Associate Professor, is the Program Coordinator for the HVACR Programs within the College of Engineering Technology at Ferris State University. He received his Bachelor degree in Mechanical Engineering Technology from Purdue University in 1980 and his Master degree in Career and Technical Education from Ferris State University in 2007. He is a past President of West Michigan ASHRAE, a past RVC of Student Activities for Region

V, and past Chair for Student Activities within ASHRAE.

In the field of HVACR, his background includes professional engineering sales for the Trane Company, manager of engineering-design-build for W.J. O'Neil Company in Detroit, and vice-president of engineering for EPPA-Strand Custom Air Handling in Detroit. This experience started in 1980 and continued until his transformation into teaching at Ferris State University in 2003.

### **TOPIC: "ASHRAE Standard 189.1 – "Standards for the Design of High Performance Buildings; except Low-Rise Residential"**

This new ASHRAE standard was developed in coordination with USBGC and IESNA for the purpose of creating a code ready standard that addresses the overall building performance needs in establishing a minimum level of acceptance as to what is a "GREEN" building. ASHRAE Standard 189.1 incorporates ASHRAE Standards 62.1, 55, and 90.1 (all current versions) and the platform of LEED to develop code language explanations for all areas of a Green Building and what the building owner can expect for building performance. The presentation will address the following in reference to ASHRAE 189.1; (a) Why have it?, (b) Relationship to Other ASHRAE Standards, and (c) What is in the Standard. The content of the details of the standard will be covered in a general context (due to time) as it will outline the areas of the standard, show Mandatory elements within each area of the standard, and then illustrate the two paths of compliance (prescriptive and performance) for each area of the standard

**Tuesday January 18, 2022 – 5:00 pm**

Virtual Meeting via GOTO Meeting

Please join my meeting from your computer, tablet or smartphone.

***Link:***