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**Heating Ventilation Air Conditioning and Refrigeration (HVACR)
Twelve Years of Top American Society of Heating, Refrigeration, and Air Engineers
(ASHRAE) Honors**

The American Society of Heating, Refrigerating and Air Engineers (ASHRAE) recently announced that students from Ferris State University who won second place in the heating, ventilation and air conditioning (HVAC) system selection category of ASHRAE's 2014 Student Design Competition.

Second place in the HVAC system design category goes to: Eryk Mancini, Josh George, Josh Snider and Micah Ringelberg of Ferris State University, Big Rapids, Mich. Their faculty advisor is Associate Professor Michael Korcal.

This year's competition featured architectural design as well as selection and design of HVAC&R systems for the Portable Refrigeration Device Research and Manufacturing Center located in the New York City area near La Guardia International Airport. The scope of this project involved the renovation of an HVAC system designed for a 31,000 square foot, two-story office building with multiple research labs and a cleanroom area. When selecting the new mechanical system to be implemented in the renovation, the initial objective was to meet the owner's directives while keeping a keen focus on indoor air environmental quality. Considerations taken into account include efficiency, health and safety, comfort, functionality, longevity, flexibility, maintainability, and a low life cycle cost for the system.

Awards will be presented at ASHRAE's 2015 Winter Meeting Jan. 24-28 in Chicago.

The competition recognizes outstanding student design projects, encourages undergraduate students to become involved in the profession, promotes teamwork and allows students to apply their knowledge of practical design.

ASHRAE, founded in 1894, is an international organization of 50,000 persons. Its mission is to advance through research, standards writing, publishing and continuing education the arts and sciences of heating, ventilation, air conditioning and refrigeration (HVAC&R) to serve humanity and promote a sustainable world.