Overview
The 19th International Compressor Engineering Conferences and the 12th International Refrigeration and Air Conditioning Conference took place July 14-17, 2008 on the campus of Purdue University in West Lafayette, Indiana. The attendees enjoyed a variety of social events during the conferences, including the opening night reception sponsored by LG Electronics, Inc., the Tuesday luncheon sponsored by Danfoss, Inc., and the steak barbeque sponsored by Emerson Climate Technologies, Ohio. Monday’s breaks were sponsored by Shanghai Hitachi Electrical Appliance Co., Ltd. and Tuesday’s breaks by The Trane Company.

Distinguished Service Awards were given to Jack Sauls of The Trane Company and George Gatecliff of Tecumseh Products, Inc. for their years of service on the conference advisory committee and their dedication to developing and presenting short courses.

The Compressor Engineering Conference included many sessions on specific compressor technologies (reciprocating, rolling piston, scroll, centrifugal, and linear compressors) and issues related to compressor design and reliability (noise control, vibrations, gas pulsations, lubrication, wear, valves). In addition, there were several sessions that focused on new and existing applications of compressor technologies, including uses in transcritical carbon-dioxide cooling cycles.

The Refrigeration and Air Conditioning Conference covered a wide range of topics, including transcritical carbon-dioxide and other novel refrigeration cycles, heat transfer/exchanger issues, system modeling (steady-state and transient), heat pumps, and specific applications in industrial refrigeration, supermarket refrigeration, and automotive air conditioning.

Statistics
Total conference attendance from approximately 20 countries  529
Total short course attendance  79
Papers published in the combined CD-ROM proceedings from 26 countries  254
Compressor Engineering Conference  108
Refrigeration and Air Conditioning Conference  146
Authors published in the program
Compressor Engineering Conference  262
Refrigeration and Air Conditioning Conference  353

Plenary Sessions
- **Keynote address:** S. Forbes Pearson, Star Refrigeration Limited, Scotland “Development Trends and Possibilities in Industrial Refrigeration”.
- **Tuesday plenary:** Dr. Peter Egolf, University of Applied Sciences of Western Switzerland, Institute of Thermal Sciences, Switzerland “Magnetic Heating, Refrigeration and Power Conversion”.
- **Wednesday plenary:** Professor Denis Clodic, ARMINES, France “Latest HVAC&R Development Trends in European Response to Imminent HFC Regulations”.
- **Thursday plenary:** Professor Ruzhu Wang, Shanghai Jiao Tong University, China “Trends and Perspectives of China HVAC&R”.

The final program, keynote talk, plenary talks and the technical papers are on the CD ROM proceedings or in the printed proceedings and are available at [http://www.ecn.purdue.edu/Herrick/Events/](http://www.ecn.purdue.edu/Herrick/Events/).

Short Courses:
Two short courses were conducted prior to the 2008 conferences: 1) Hands-On Modeling and Computer Simulation of Gas Pulsations in Reciprocating Compressors and 2) Update on Natural Refrigerants. Approximately 80 people participated in these short courses.

2010 CONFERENCES & SHORT COURSES:
July 10-11, 2010  Short courses will precede the conferences.
July 12-15, 2010  Purdue Compressor Engineering Conference and the Refrigeration and Air Conditioning Conference