ENDORSING AND COOPERATING ORGANIZATIONS

Purdue University has played host to the International Compressor Engineering Conference, the International Refrigeration and Air Conditioning Conference (added in 1986) and the International High Performance Buildings Conference (added in 2010). These conferences provide a perfect venue to present research and development work, as well as network with top experts in the field.
STUDENT PAPER COMPETITION

The conference organizing committee is pleased to invite students to submit abstracts for the 2016 Student Best Paper Award Competition. The following gives the eligibility information and other parameters for the competition:

- Students at the undergraduate level and graduate level at the time of submission are eligible to compete.
- Students must be the first author on the papers and must present their work at the conferences to compete.

Cash prizes will be awarded.
SHORT COURSES

Held Sunday, July 10, 2016 from 8am-5pm in Stewart Center, Purdue University, West Lafayette, Indiana

Oil Management in Compressors and Their Systems
- Focus on hermetic, positive displacement compressor technologies, such as scroll, rotary and reciprocating compressors.
- Impact of lubricants on compressor and system performance and reliability.
- Thermodynamic and transport properties of compressor lubricants used with future refrigerants.
- Pros and cons of oil-free compressor technologies
- Prof. Eckhard Groll and Herrick Laboratories faculty and graduate students

Final Frontiers in Vapor Compression Cycle Efficiency
- Focus on potential for future efficiency improvements for vapor compression technology.
- Includes an assessment of alternative thermodynamic cycles that may replace the vapor compression cycle.
- Looks at all design options for next generation refrigeration and comfort cooling technologies.
- Recognized industry experts from around the world will share their knowledge.
- Prof. William Murphy and the U.S. National Committee of the IIR in collaboration with Herrick Laboratories faculty

2016 INTELLIGENT BUILDING OPERATIONS (IBO) WORKSHOP

Held Sunday, July 10, 2016 from 8am-5pm in Stewart Center, Purdue University, West Lafayette, Indiana

This will be the third in a series of workshops that bring together researchers and developers of intelligent building features and systems. The goal is to gain a better understanding of the state of intelligent building technologies and to identify existing gaps that should be addressed in future research and development.

The 1st workshop was held just prior to the 2011 ASHRAE Summer meeting in Montreal and focused on model-predictive control in buildings. The 2nd workshop was broader and considered intelligent controls, sensing, and automated diagnostics. It was held just prior to the 2013 ASHRAE Summer meeting in Boulder, CO.

The 3rd workshop will keep this broader focus and will be held just prior to the 2016 Purdue International High Performance Buildings Conference at Purdue University in West Lafayette, Indiana.

The one-day workshop will feature selected presentations of case studies that highlight recent developments and demonstrations of model-predictive controls and automated diagnostics. In addition, the state-of-the-art in enabling technologies for intelligent buildings will be discussed, including controls-oriented modeling and decision support, optimization algorithms, virtual sensors, diagnostic classification, fault impact evaluation and optimal service scheduling.

The format will encourage an open discussion to address what is necessary to move from research to widespread adoption of intelligent building technologies. The marketplace has been slow to offer these high-level features because of high implementation costs associated with site-specific solutions.

This workshop will focus on technology solutions that can enable scalable and cost-effective intelligent building operations. In addition to the workshop, technical sessions will be held on the first two days (Monday & Tuesday) of the International High Performance Buildings Conference that address technological developments critical for achieving scalable and cost effective intelligent building operations. These presentations will be supplemented with papers that are part of the proceedings of the conferences.

A single registration fee will cover participation in both the IBO Workshop and the HPB Conference. In addition, participants will be able attend any of the technical sessions associated with the Purdue International Compressor and Refrigeration and Air Conditioning Conferences, which are held concurrently.

IBO Organizers: Gregor Henze (University of Colorado), Jim Braun (Purdue University), and Neera Jain (Purdue University)
Abstract & Paper Submission

- Visit www.conftool.com/2016Purdue to submit online.
- Choose most closely related topic area
- Submit your 500 word abstract and after acceptance, an 8 page paper.
- Please note that presenting authors must be registered by the April 1, 2016 manuscript deadline.
- Abstracts and papers must be submitted in English.

Abstract and Paper Submissions

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<th>Abstract and Paper Submissions</th>
<th>Deadline</th>
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<tr>
<td>Abstract Submission</td>
<td>Friday, Dec. 18, 2015</td>
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<tr>
<td>Abstract Acceptance/Rejection Notification &amp; Instructions to Authors for Manuscript Preparation</td>
<td>Friday, Jan. 30, 2016</td>
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<tr>
<td>Manuscript Submission (Presenting Authors must be registered by this deadline)</td>
<td>Friday, April 01, 2016</td>
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<tr>
<td>Manuscripts Acceptance/Rejection Notification to Authors</td>
<td>Friday, April 29, 2016</td>
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<tr>
<td>Final Versions of Papers need to be uploaded</td>
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Important Facts

- Conference Registration will be available online starting in March 1, 2016 at www.conf.purdue.edu/compressor2016
- Companies wishing to register using a wire transfer will need to contact Abbey Stoutenborough directly at astouten@purdue.edu or 765-496-3667. Note that additional wire transfer fees are included.
- All fees must be paid in U.S. funds and drawn on a U.S. bank. Fees paid in advance but not used will be refunded upon written request by June 25, 2016. We are not responsible for costs incurred due to cancellation.
- Letters of invitation to obtain your travel visa can be found in ConfTool. Please contact Kim Stockment at hlconf16@purdue.edu if you require additional documentation for travel.
- For additional registration information, daily schedule, etc – please visit https://engineering.purdue.edu/HerrickConf
- Continuing Education Units (CEU's) may be available.
## REGISTRATION INFORMATION AND FEES

<table>
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<th>REGISTRATIONS</th>
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<th>DEADLINE</th>
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## STUDENT REGISTRATIONS

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ANNOUNCEMENT AND CALL FOR PAPERS

2016 Purdue Conferences
Compressor Engineering
Refrigeration and Air Conditioning
High Performance Buildings

PAST CONFERENCE EVENT SPONSORS

CONTACT INFORMATION

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