

U.S. NATIONAL COMMITTEE FOR THE INTERNATIONAL INSTITUTE OF REFRIGERATION

Outstanding Young Researcher UNSC/IIR Paper Award

The purpose of the US National Committee (USNC) of the International Institute of Refrigeration (IIR) Outstanding Young Researcher Paper Award is to recognize outstanding young researcher papers accepted for publication during a given calendar year in the International Journal of Refrigeration (IJR). The papers should report on research in the technical areas of interest to the International Institute of Refrigeration as covered by the IIR's ten Commissions¹.

The USNC IIR intends to recognize between 1 to 2 outstanding papers each year. The awardees will receive a certificate and a \$500 cash prize.

Eligibility information

- The young researcher must be the first author of the paper.
- The young researcher must be within two years of graduation from an accredited US university at the time of the acceptance for publication of the IJR paper
- The work presented in the paper was conducted at a US-based higher education institution
- The young researcher must be an IIR member. The IIR offers special reduced membership rates for 'junior members'. Also, the IIR enacts (on a temporary basis) free 12-month membership for students that are nominated by professors who are IIR members.²
- An author that already received a cash prize from the USNC/IIR organization is not eligible for this competition.

Submittal requirements and restrictions

The submittal package shall be submitted at this link:

https://auburn.qualtrics.com/jfe/form/SV_3vH2Z7eypc9S2LI

Prior to starting the submission, make sure to have the following information:

1. Young researcher's name, email address, tel. number, graduation date
2. Young researcher's IIR membership number (i.e., the six-digit user IIR ID number)
3. Professor's name, email address, tel. number
4. Full name and address of the US-based higher education institution where the research presented in the paper was performed
5. Citation information on the IJR journal paper entered into the competition.
6. As the attachment: the IJR journal paper entered into the competition (pdf file).

It is advised to prepare all the submission information BEFORE beginning the actual submission process. Once started, the submission cannot be saved if it is not completed.

The submission shall be received at the link above **by February 15** of the year following the year in which the paper was accepted for publication in the IJR journal.

¹ IIR Commissions (<https://iifir.org/en/commissions-and-sub-commissions-of-the-iir>):

A1: Cryophysics, cryoengineering;	A2: Liquefaction & separation of gases
B1: Thermodynamics & transfer processes;	B2: Refrigerating equipment
C1: Cryobiology, cryomedicine and health products;	C2: Food science & engineering
D1: Refrigerated storage;	D2: Refrigerated transport
E1: Air conditioning;	E2: Heat pumps, energy recovery

² IIR private membership "cool offer": <https://iifir.org/en/membership>

Evaluation process and criteria

The chair of the USNC IIR shall establish a Competition Jury by March 1 consisting of at least three members. The jury shall evaluate the papers using the following criteria:

Maximum numerical score is 100. Each evaluation criterion shall have a maximum numerical score of 10 and will be multiplied by the weighting factor. The evaluation criteria and weighting factor of each criterion are:

Criteria	Score out of 10	Score multiplied by the weighting factor
1. Originality		x 3.0 =
2. Technical Content and Quality		x 3.0 =
3. Organization and Clarity		x 2.0 =
4. Anticipated Impact		x 2.0 =

The jury members shall submit their scores individually to the USNC IIR chair. Before submitting their scores, the jury members have the option to discuss the merits of the submitted papers during a joint conference call or a meeting; however, they must not reveal their individual scores at that time.

After receiving individual scores, the USNC IIR chair shall consolidate them and, in consultation with the Competition Jury, shall select one or two winners of the competition.

Announcement and presentation of the awards

The results of the competition shall be communicated to the members of the USNC IIR and the competition participants within three weeks of its completion.

The secretary of the USNC IIR shall explore the possibility of presenting the award publicly, e.g., at Purdue Conferences or a local ASHRAE Chapter meeting where a member of the USNC IIR could make a presentation. Lacking such a possibility, the advisor of the awardee may arrange a presentation in the university setting, or the award may be delivered to the awardee by mail.

The secretary of the USNC IIR shall use multiple methods to publicize this competition such as the USNC/IIR webpage, IIR Newsletter, Purdue Conferences, and other IIR or ASHRAE-sponsored events.