

**Institute of Refrigeration J&E Hall International Gold Medal  
Nomination Form**

Name of nominee
Current employment
Postal Address
Email
Outline the area of work and unique practical contribution to refrigeration, air conditioning or heat pumps:
Name of person making the nomination
Your organisation
Email address
Date

Please return to the address above or email [lisa@ior.org.uk](mailto:lisa@ior.org.uk)

If shortlisted, nominees will be invited to submit full details of their work and a CV.

# THE J&E HALL GOLD MEDAL

## Rules and Conditions

1. The J&E Hall Gold Medal was initiated by Hall-Thermotank Limited in 1977 as the Hall-Thermotank Gold Medal to mark the centenary of the company's involvement (originally as J & E Hall Limited) in the field of refrigeration in 1877.

2. The Institute of Refrigeration will award the Gold Medal annually to the person considered to have made the most noteworthy contribution to the advancement of refrigeration and related technologies.

3. The Institute shall have the authority to withhold the award in any year if it considers that none of the nominations is of a sufficiently high standard.

4. The winner of the award each year will be presented with:

- The IOR J&E Hall Gold Medal to hold for one year.
- A solid silver replica of the Gold Medal engraved with his or her name to keep.
- A sum of £5,000.

5. The award will be international and nominations will be accepted from all parts of the world.

6. Nominations may be made by any organisation or individual, with the permission of the nominee. Individuals may nominate themselves but such nominations must be authenticated by another responsible person with sufficient knowledge to do so. Nominations for work carried out by more than one person will be accepted but no more than two people will receive the award each year.

7. Each nomination must be supported by evidence of the contribution or achievement on which the nomination is based. This should take the form of a statement, in English, not exceeding 1,000 words with such supporting documentation and illustrations as may be necessary. The volume of evidence should be kept to the minimum necessary. The panel shall be empowered to call for additional evidence if they so wish.

8. All nominations received by the due date will be considered by a Panel chaired by the President of the Institute of Refrigeration, or his appointee and comprising four other members chosen annually by the Institute.

9. The Panel shall be empowered to call on specialist advice if it so wishes.

10. In considering the nominations, the Panel will pay special regard to the practical nature of the contribution on which the nomination is based and to its originality. Work of a theoretical nature may be accepted provided its practical viability can be clearly demonstrated.

11. The contribution cited in the nomination need not necessarily have been made within the preceding year. Work carried out over an extended period will be admissible but there should be some evidence to indicate that it has reached its culmination, or that its significance has become apparent relatively recently.

12. The Panel will bear in mind that the purpose of the award is to encourage progress rather than to acknowledge past achievement.

13. The Gold Medal will not be awarded to the same person for two years in succession.

14. The winner will normally be expected to attend a presentation ceremony in London. He or she may be asked as a condition of acceptance to present a paper to the Institute of Refrigeration.

15. The decision of the Panel on any matter will be final.

16. Nominations should be addressed to:

The Secretary, Institute of Refrigeration, Kelvin House, 76 Mill Lane, Carshalton, Surrey SM5 2JR, United Kingdom.

17. Nominations must reach the Secretary of the Institute not later than the date specified. An announcement of the award will be made in December and the presentation will normally be made on the occasion of the Institute's Annual Dinner.

## WINNERS OF THE J&E HALL GOLD MEDAL

### **2024 - Prof. Ahmed Kovacevic**

Awarded for work in the field of compressor technology. He has blended academic research with industrial collaboration to deliver transformative solutions for high-fidelity numerical modelling of rotary positive displacement compressors. The specialist software he has developed has revolutionised compressor design. It has enabled improved performance, efficiency, and reliability across refrigeration, air conditioning, heat pumps, and energy recovery systems. He has fostered knowledge exchange, trained future engineers, and advanced the understanding of compressor technology on a global scale. This work will have a profound impact on the future of refrigeration and sustainable energy systems.

### **2023 - Prof. Yulong Ding**

Prof Ding has been recognised for his work on liquid air energy storage, and composite phase change materials for thermal energy storage for heat and cold. He has provided a unique contribution to the storage and management of renewable energy. Using liquid energy storage, the technologies Prof Ding has developed, are already being used commercially in cold chain applications and cooled containers, as well as energy facilities such as Highview Power in Birmingham. The judges agreed that this innovation has tremendous potential for the future.

### **2022 – Alexander Cohr Pachai**

Alexander Cohr Pachai received the award in recognition for his work to develop environmentally responsible solutions to the many challenges faced by the refrigeration industry over the past 40 years. These have included compressor development for ammonia, hydrocarbons, carbon dioxide and water in industrial systems, system design for new ways to use these refrigerants. In addition to this he has consistently shared his expertise with the industry through UNEP, the International Institute of Refrigeration and of course the IOR. He is currently chair of IIR's Safety Working Group and is chapter lead author on industrial refrigeration for UNEP's Refrigeration Technical Options Report. His work has always been practical in nature, encompassing training and safety as well

as testing, and in many cases, it is now the basis for current industrial practices around the globe. His major contribution to the refrigeration sector has been the growing acceptance of natural working fluids in a wider range of applications.

### **Previous awards**

2021 – Prof Graeme Maidment  
2019 – David Pearson  
2018– MARK McLINDEN  
2017 – ECKHARD GROLL  
2016 – TOM WATSON  
2015 – IAN TANSLEY  
2014 – DR REINHARD RADERMACHER  
2013 – PROF RUZHU WANG  
2012 – DR ROBERT HADFIELD  
2011 – PROF PREDRAG HRNJAK  
2010 – DR DONALD CLELAND  
2009 - MR JURGEN SEUSS  
2008 – MR RON CONRY  
2007 – PROFESSOR JOHN THOME  
2006 – DR ANDY PEARSON  
2005 – DR IAN EAMES  
2004 – PROFESSOR CLARK BULLARD  
2003 – DR R AGRAWAL  
2002 - PROFESSOR A CAVALLINI  
2001 – DR D DIDION  
2000 – DR AC CLELAND  
1999 – MR M LAWRENCE  
1998 – DR R RADEBAUGH  
1997– NORMALAIR-GARRETT LTD, UK  
1996 – MR S SUNDARESAN  
1995 - DR J PAUL AND MR E JAHN  
1994 - DR A FUTAKAWA  
1993 - DR F FRANKS  
1992 - PROFESSOR K. WATANABE  
1991 – DR S.F. PEARSON  
1990 – PROFESSOR K. STEPHAN  
1989 – PROFESSOR P.O.FANGER  
1988 – PROFESSOR R.L. WEBB  
1987 – MR C. BAILEY  
1986 – DR W.R. MALEWSKI  
1985 – PROFESSOR W.F. STOECKER  
1984 – PROFESSOR G. LORENTZEN  
1983 – PROFESSOR G. GLEW  
1981 – MRS M.M. DOYLE  
1979 – DR H. SIXSMITH  
1978 – DR A D APPLETON  
1977 – B. ZIMMEN

## **GUIDELINES FOR PREPARING A SUBMISSION for the J&E Hall Gold Medal**

Submissions for the IOR J&E Hall Gold Medal must be made in writing or by email to [lisa@ior.org.uk](mailto:lisa@ior.org.uk).

**Once a nomination is received the IOR will contact the nominated person who will be asked to submit the following supporting information:**

1. A statement describing the relevant work. The statement should not exceed 1000 words, and should be written in English. It should follow a format which includes the following headings:

- Practical applications of the contribution
- Originality of the work
- Future potential

2. Additional relevant material such as reports or publications may also be taken into account. This should be included as a separate attachment.

3. An up to date CV or CVs for the individual(s) responsible for the work.

4. Details of a suitable person who could comment on the work that has been carried out, including a contact address and outline of their involvement in the work.