

Organizing Committee:

Dr. Som Shrestha
Senior R&D Staff
ORNL



Dr. Achutha Tamraparni
Postdoctoral Associate
ORNL



Dr. Anthony Aldykiewicz
Building Science Manager
Saint-Gobain



Mark Connell
Owner & CEO
Rincon Consulting, LLC



Mr. Andre Desjarlais
Program Manager
ORNL



A tour of **Oak Ridge National Laboratory (ORNL)** will be offered on **September 12** for registered participants. ORNL is the U.S. Department of Energy's largest multi-program science and energy laboratory, leading world-class research to address critical challenges in energy, materials, and national security. Located in Oak Ridge, Tennessee, ORNL hosts some of the world's most advanced scientific facilities—including powerful supercomputers, cutting-edge neutron sources, and unique materials research centers. With a mission to deliver transformative solutions and scientific breakthroughs, ORNL collaborates with researchers, industry, and government to accelerate innovation and shape a sustainable energy future.



OAK RIDGE
National Laboratory

IVIS
2025

17th International Vacuum Insulation Symposium

September 10-11, 2025

Host:
Oak Ridge National Laboratory

Venue
Crowne Plaza
401 W Summit Hill Dr SW Knoxville,
TN 37902, USA

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Keynote Speakers

Josh Pihl,
Buildings and
Transportation Science
Division Director, ORNL



Sven Mumme,
Technology Manager at the
U.S. Department of Energy



John Peavey,
Home Innovation Research
Lab



Jungho Kim,
Program Director, ARPA-E



Vladimir Pogač,
President of the Vacuum
Insulation Panel
Association (VIPA)



The IVIS Lifetime Achievement Awards will be presented during the dinner on September 10. Best Paper Awards and the announcement of the next IVIS location will take place during the closing session on September 11. See the agenda and participants list for more details.

SCIENTIFIC COMMITTEE

Mr. Andre Desjarlais, Oak Ridge National Laboratory, USA

Prof. Atsushi Iwamae, Kindai University, Japan

Dr. Bastian Büttner, ZAE Bayern, Germany

Prof. Dr. Bijan Adl-Zarrabi, Chalmers University of Technology, Sweden

Dr. Christoph Sprengard, FIW Munich, Germany

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Prof. Dr. Harjit Singh, Brunel University London, UK

Prof. Jun-Tae Kim, Kongju National University, Korea (South)

Dr. Karim Ghazi Wakili, IABP. Institute for Applied Building Physics, Switzerland

Dr. Mahmood Alam, University of Brighton, UK

Prof. Marco Perino, Politecnico di Torino - DENERG, Italy

Dr. Pär Johansson, Chalmers University of Technology, Sweden

Prof. Dr. Phalguni Mukhopadhyaya, University of Victoria, Canada

Prof. Dr. S. Suresh, National Institute of Technology Trichy, India

Dr. Samuel Brunner, EMPA, Switzerland

Dr. Shahab Resalati, Oxford Brookes University, UK

Dr. Som Shrestha, Oak Ridge National Laboratory, USA

Dr. Stefano Fantucci, Politecnico di Torino, Italy

Dr. Yoash Carmi, Avery Dennison, Israel

Prof. Dr. Zhaofeng Chen, Nanjing University of Aeronautics and Astronautics, China

Vacuum Insulation Panels (VIPs), the most advanced form of thermal insulation, enable buildings, transport systems, and cold chain infrastructure to achieve unprecedented reductions in thermal losses and energy demand.

Since its inception in 1998, the **International Vacuum Insulation Symposium (IVIS)** has been the premier global forum for the insulation community, particularly for those advancing high-performance vacuum-based thermal insulation technologies.

The **17th IVIS (2025)** will feature presentations on the latest research, development, and deployment of **VIPs and Vacuum Insulation Glazing (VIG)**. It offers a unique platform for scientists, engineers, manufacturers, end-users, social scientists, and policymakers to exchange ideas, explore opportunities, and address the challenges surrounding VIPs.

IVIS 2025 presentations will cover research areas such as:

Sessions 1-3: Core Materials and Their Properties.

Sessions 3,4: Performance Evaluation and Testing.

Session 5: Innovations in Vacuum Insulated Glazing.

Session 6: Monitoring and Predictive Techniques of VIPs and Innovations in Vacuum Insulated Glazing.

Session 7: Applications in Industry and Construction.

Session 8: Innovations and Advanced Designs.