



IUVSTA serves to advance Vacuum Science and Technology enabling nanotechnology, surface engineering, quantum science, semiconductor chips and more; Stimulates and provides education through Workshops, Technical Training Courses, Schools, Short Courses and Webinars; Promotes vacuum technology through scholarships and awards aimed at both early-career and established vacuum scientists from multiple disciplines; and fosters international collaborations with organization of 35 different countries of the world.

## A Message from the President of IUVSTA “Vacuum, the Enabling Technology for a Better Life!”



As the incoming President for the world’s vacuum societies union, IUVSTA, I’m excited to share my vision for how vacuum science and technology can be both an engine for our world’s innovation economy and build a more robust and resilient society at time where we are collectively facing challenges never seen before.

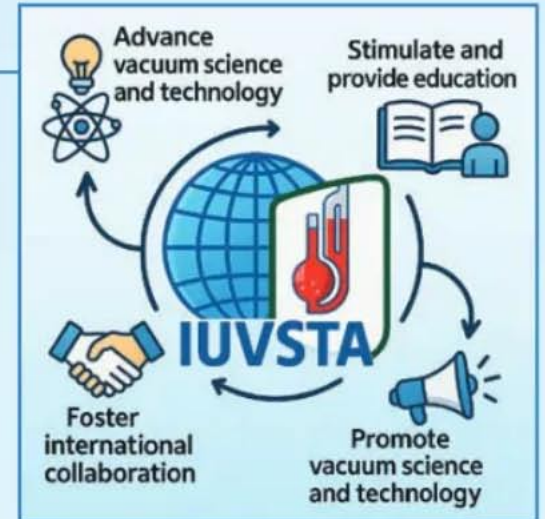
IUVSTA (International Union for Vacuum Science, Technique and Applications) represents over 100,000 scientists, engineers and technicians comprising 35 members nations. The members of the union do work that is important and critical to emerging technologies including quantum science, advanced computing, semiconductors, biotechnology and advanced manufacturing. IUVSTA’s role is to connect and communicate with the member countries, and to organize a number of scientific conferences, including the International Vacuum Congress (IVC-23, Sydney Australia Sept 15-19th, 2025), and to coordinate the organization and funding of Workshops, Technical Training Courses, Schools, and Short Courses and Webinars.

The Union funds and runs awards aimed at both early-career and senior scientists. These IUVSTA awards include the IUVSTA Prize for Science, the IUVSTA Prize for Technology, the IUVSTA Medard W. Welch International Scholarship, the IUVSTA EBARA Award, and IUVSTA Elsevier Student Travel Awards. One of the major goals that I will be working on over the next three years is public outreach to make the connections between the science done by our IUVSTA Divisions of Applied Surface Science, Biointerfaces, Electronic Materials & Processing, Nanometer Structures, Plasma Science & Technologies, Surface Engineering, Surface Science, Thin Film, Vacuum Science and Technology, and the IUVSTA Working Group on Sustainability and its impact on the everyday life for the citizens of the world. These impacts show up in many ways, everything from faster smaller, lighter computer chips to artificial intelligence systems, to self-driving cars, to a more energy efficient and resilient systems needed to address more aggressive weather patterns.



I look forward to working with you!”

Dr. Jay Hendricks, IUVSTA President 2025-2028. Jay works at National Institute of Standards and Technology (NIST), in Gaithersburg, Maryland, USA, is the Deputy Program Manager for the “NIST on a Chip” Program and has worked at NIST 29 years.



The 23rd International Vacuum Congress  
September 15-19 2025

IUVSTA coordinates an International Vacuum Conference (IVC), held once every 3 years.

Don't miss IVC-23 being held in Sydney Australia in September 2025.

