

# IAEE ENERGY FORUM

## CONTENTS

- 6 Net Zero Divide: The Geopolitical and Economic Landscapes of the Energy Transition on the Global North and South
- 10 Geopolitics and Green Transition Trilogy in the EU: Industrial Strategy, Critical Minerals, and Innovation
- 16 Geoeconomics of Clean Energy: Trade Conflicts, Strategic Rivalries, and the Fragmentation of Global Decarbonization Pathways
- 19 China's Role in Energy Transition
- 22 Energy basket 2050: reducing share of fossil fuels
- 26 Answering Questions of Geoeconomics requires the Basics of Energy
- 30 The transition to sustainable aviation fuel (SAF), amidst geopolitical and economic turmoil
- 36 How might tariffs impact U.S. biomass industries, and are there hidden opportunities for these sectors?
- 40 Battery Mineral Security and the Energy Transition

Editor: IAEE Headquarters

## PRESIDENT'S MESSAGE

Dear IAEE members, As I write this message, I feel completely energized by the 46th International Conference in Paris last June. This conference was a remarkable success and left me with the sentiment that IAEE is in the right direction to grow and flourish. With almost 700 registered delegates, this was one of the largest conferences of IAEE. We convened at the impressive Palais des Congrès to engage in rich discussions about the future of global energy. A particular highlight was the gala dinner at the iconic Paris City Hall—a stunning showcase of French history, architecture, and elegance. It is an experience we will surely remember forever.



I would like to extend my heartfelt congratulations to the French IAEE Affiliate, particularly to FAEF President Christophe Bonnery and the Paris Conference Chairs, Cédric Clastres and Olivier Massol. The success of the 46th International Conference was the result of tireless effort and commitment from many individuals who believe deeply in your leadership and in the mission of the IAEE.

The conference highlighted the increasingly complex and dynamic nature of global energy markets. We are witnessing profound transformations across technology, geopolitics, regulation, and business models. Several key insights emerged: i) Energy security is once again taking center stage in policy discussions, particularly as geopolitical tensions escalate. Our gathering in Paris coincided with the ongoing conflict in the Middle East, underscoring this urgency. Furthermore, as decarbonization progresses through greater reliance on variable renewable sources, ensuring reliable power supply becomes even more critical. ii) Electricity demand is poised to grow rapidly, fueled by digitalization and the electrification of economies. iii) The pace and direction of these changes vary greatly between developed and developing countries. It is essential that we deepen our focus on combatting energy poverty and fostering a just energy transition.

While in Paris, we also held a productive IAEE Council Meeting, with rich discussions and important decisions regarding the Association's strategic directions. In parallel, we advanced preparations for our upcoming conferences through a series of focused planning meetings.

Looking ahead, our regional and international meetings promise to be equally stimulating. This December, we will gather in Antalya, Turkey, for the Middle East and Central Asia (MECA) Conference (<https://www.iaee2025.org.tr/>)—an excellent opportunity to explore the region's evolving energy geopolitics. The next European IAEE Conference will take place in Munich, Germany, from 6–9 September 2026. This promises to be another must-attend event to discuss Europe's energy future.

And last but not least, we are delighted to announce that the 47th IAEE International Conference will take place in Santiago, Chile, in July 2026, under the leader-

Published By:

**IAEE**  
International Association for  
ENERGY ECONOMICS

ship of Professor Ricardo Raineri of the Pontifical Catholic University of Chile. Our planning meeting in Paris laid a strong foundation for what I am confident will be an outstanding conference.

Hosting our flagship event in Chile not only reaffirms IAEE's strategic commitment to expanding its global presence, but also offers a unique opportunity to explore global energy challenges from a Latin American perspective. Chile stands out as a regional leader in the energy transition and exemplifies how prosperity and sustainability can go hand in hand.

Let us all begin preparing for what promises to be a memorable gathering in Santiago. I look forward to seeing you there!



**International Association for  
ENERGY ECONOMICS**