



**47TH IAEE INTERNATIONAL CONFERENCE**  
**BRIDGING CONTINENTS,**  
**FUELING PROGRESS:**  
**ENERGY DEVELOPMENT**  
**IN A GLOBAL CONTEXT**  
SANTIAGO - CHILE

**PROGRAM SCHEDULE**

JUL 19, 2026 - JUL 23, 2026



PONTIFICIA  
UNIVERSIDAD  
CATÓLICA  
DE CHILE

aes Andes

Colbun  
energía y movilidad sustentable

RS RESILIENT  
STRUCTURES

engie

BHP



**CENTRO DE EXTENSIÓN  
PONTIFICIA UNIVERSIDAD  
CATÓLICA DE CHILE**

(IAEE 2026 – JULY 19-23, 2026,  
SANTIAGO, CHILE)

# WELCOME

Welcome to Santiago and to the 47th IAEE International Conference.

When we began preparing for this conference, our purpose was to create a meeting place where rigorous research, practical experience, and policy dialogue could come together across regions. At a time when energy systems are being reshaped by geopolitical fragmentation, technological change, investment constraints, and growing demands for security, affordability, and sustainability, this exchange is more necessary than ever.

The program reflects that ambition. It brings together policymakers, business leaders, academics, professionals, and representatives of international organizations to examine the forces transforming energy markets and infrastructure—from electricity-system flexibility and market design to critical minerals, oil and gas, energy finance, energy access, mobility, regional integration, and the wider geopolitical context. Alongside the plenary and special sessions, the concurrent program gives a central place to new research and to the next generation of energy economists.

This conference is also about strengthening the global IAEE community: reconnecting colleagues, welcoming new voices, and building relationships that will continue well beyond these days in Chile. I am deeply grateful to the speakers, authors, session chairs, reviewers, sponsors, institutional partners, IAEE leadership and staff, and the many colleagues and volunteers whose commitment made this gathering possible.

I hope the discussions ahead will be rigorous, open, and constructive, and that Santiago will provide a valuable setting from which to consider the future of energy development in a global context.

Welcome to Chile.



**Ricardo Raineri**  
Conference Chair

# PROGRAM SCHEDULE

## Day 1: Sunday, July 19th

|               |                                                                                                                                                                                      |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 08:30 - 19:00 | Registration*                                                                                                                                                                        |
| 09:00 - 16:00 | IAEE Council Meeting<br>(by invitation only; Room 203 - Centro de Extensión Pontificia Universidad Católica de Chile)                                                                |
| 09:00 - 14:30 | Graduate Students and Young Scholars Day<br>(Graduate students and researchers registered for the activity; Room 202 - Centro de Extensión Pontificia Universidad Católica de Chile) |
| 17:30 - 19:00 | Welcome Reception<br>(Hall Juan de Dios Vial Correa - Centro de Extensión Pontificia Universidad Católica de Chile)                                                                  |
| 18:30 - 22:00 | Council Dinner (by invitation only)                                                                                                                                                  |

## Day 2: Monday, July 20th

|               |                         |
|---------------|-------------------------|
| 08:00 - 19:00 | Registration*           |
| 08:15 - 09:00 | Opening Ceremony        |
| 09:00 - 10:30 | Opening Plenary Session |
| 10:30 - 11:00 | Coffee Break            |
| 11:00 - 12:30 | Concurrent Sessions     |
| 12:30 - 14:00 | Lunch & Poster Session  |
| 14:00 - 15:30 | Dual Plenary Sessions   |
| 15:30 - 16:00 | Coffee Break            |
| 16:00 - 17:30 | Concurrent Sessions     |
| 19:00 - 22:30 | Gala Dinner             |

**Day 3: Tuesday, July 21st**

|               |                        |
|---------------|------------------------|
| 08:00 - 19:00 | Registration*          |
| 09:00 - 10:30 | Concurrent Sessions    |
| 10:30 - 11:00 | Coffee Break           |
| 11:00 - 12:30 | Dual Plenary Sessions  |
| 12:30 - 14:00 | Lunch & Poster Session |
| 14:00 - 15:30 | Dual Plenary Sessions  |
| 15:30 - 16:00 | Coffee Break           |
| 16:00 - 17:30 | Concurrent Sessions    |

**Day 4: Wednesday, July 22nd**

|               |                                                                                                                                           |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| 08:00 - 17:30 | Registration*                                                                                                                             |
| 09:00 - 10:30 | Concurrent Sessions                                                                                                                       |
| 10:30 - 11:00 | Coffee Break                                                                                                                              |
| 11:00 - 12:30 | Dual Plenary Sessions                                                                                                                     |
| 12:30 - 14:00 | Lunch & Poster Session                                                                                                                    |
|               | ALADEE Conference Planning Meeting<br>(by invitation only; Room 203 - Centro de<br>Extensión Pontificia Universidad Católica<br>de Chile) |
| 14:00 - 15:30 | Concurrent Sessions                                                                                                                       |
| 15:30 - 16:00 | Coffee Break                                                                                                                              |
| 16:00 - 17:30 | Closing Plenary Session                                                                                                                   |
| 17:30 - 18:30 | Closing Ceremony                                                                                                                          |

**Day 5: Thursday, July 23rd (Optional)**

|                  |                                                                         |
|------------------|-------------------------------------------------------------------------|
| Technical Visit: | GNL Quintero LNG Terminal & Colbún<br>National System Operations Center |
|------------------|-------------------------------------------------------------------------|

*\* Hall Juan de Dios Vial Correa - Centro de Extensión Pontificia  
Universidad Católica de Chile.*

## Plenary Sessions

- Opening Plenary “**High Level Dialogue – Global Energy Security in a Fragmented World**”
- **Gala Dinner Keynote “Leadership in Global Energy Systems:** Navigating Market, Policy, and Technology Change”
- **Closing Plenary “Economics and Geopolitics of Energy:** Latin America and the Caribbean in a Changing World”

## Dual Plenary Sessions

- **DPS1:** Economics of System Flexibility and Infrastructure Resilience: Storage, Grids, and Security
- **DPS2:** The Future of Oil, Gas, and Diversification Strategies
- **DPS3:** Electricity Market Design: Decentralization, Flexibility, and Regulation
- **DPS4:** Critical Minerals, Supply Chains, and the Geo-Economics of Energy Transition
- **DPS5:** Energy Finance: Investment Risk, Infrastructure, and the Transition of Energy-Intensive Industries
- **DPS6:** Enabling Infrastructure for Economic Development, Energy Security, and Resilience
- **DPS7:** Energy Access, Energy Efficiency, Poverty Mitigation, and Regional Integration in Latin America
- **DPS8:** Transport Systems Transformation: Economics, Energy Choices, and Sustainable Mobility

## Special Concurrent Sessions and Concurrent Sessions

6 Special Concurrent Sessions (SPC) and 40 (CS) spread over in 6 time slots, during the morning and evening from Monday to Wednesday.

## Sessions Overview

### Opening Ceremony

**MONDAY, JULY 20, 8:15 – 9:00.**

SALÓN CARDENAL JUAN FRANCISCO FRESNO, CENTRO EXTENSIÓN DE LA UNIVERSIDAD CATÓLICA.

### Opening Plenary “High Level Dialogue: Global Energy Security in a Fragmented World”.

**MONDAY, JULY 20, 9:00 – 10:30.**

SALÓN CARDENAL JUAN FRANCISCO FRESNO, CENTRO EXTENSIÓN DE LA UNIVERSIDAD CATÓLICA.

- **Ricardo Raineri Bernain** Past President, IAEE, Pontificia Universidad Católica de Chile, Chile
- **H.E. Paulo Roberto Soares Pacheco**, Ambassador of Brazil to Chile
- **H.E. Kenkō Sone**, Ambassador of Japan to Chile
- **H.E. David Concar**, Ambassador of the United Kingdom to Chile
- **H.E. Brandon Judd**, Ambassador of the United States to Chile

### Gala Dinner Keynote “Reflections from Four Decades with IAEE: Energy Markets, Friends, and the Future”

**MONDAY, JULY 20, 19:00 – 22:30.**

HOTEL INTERCONTINENTAL SANTIAGO.

Drawing on more than four decades in energy economics and the IAEE community, Carol Dahl will offer a personal and insightful reflection on the evolution of energy markets, the people, ideas, and professional relationships that have shaped the field, and what lies ahead for the next generation of energy economists.

- **Carol Dahl** Professor Emerita, Mineral and Energy Economics · Colorado School of Mines · United States

## **Closing Plenary “Economics and Geopolitics of Energy: Latin America and the Caribbean in a Changing World”.**

**WEDNESDAY, JULY 22, 16:00 – 17:30.**

SALÓN CARDENAL JUAN FRANCISCO FRESNO, CENTRO EXTENSIÓN DE  
LA UNIVERSIDAD CATÓLICA (UC).

Co-organized with OLACDE

- H.E. Ximena Rincón, Minister of Energy of Chile
- Andrés Rebolledo (Moderator), Executive Secretary, Latin American and Caribbean Energy Organization (OLACDE)
- Ms. Diana Lizzette Solís Paz, Undersecretary of Renewable Energy and Electricity, Honduras
- Mr. Ricardo Bienvenido Guerrero Encarnación, Vice Minister of Energy, Dominican Republic
- Mr. Mauricio Bejarano, Vice Minister of Mines and Energy; Director, Directorate of Alternative Energies, Paraguay

## **Closing Ceremony**

Wednesday, July 22, 17:30 – 18:30.

SALÓN CARDENAL JUAN FRANCISCO FRESNO, CENTRO EXTENSIÓN DE  
LA UNIVERSIDAD CATÓLICA.

## Dual Plenary Sessions

### **DPS1: Economics of System Flexibility and Infrastructure Resilience: Storage, Grids, and Security.**

**MONDAY, JULY 20, 14:00–15:30.**

SALÓN CARDENAL JUAN FRANCISCO FRESNO, CENTRO EXTENSIÓN DE LA UNIVERSIDAD CATÓLICA (UC).

- Prof. Aaron Praktiknjo (Session Chair) Professor and Director, E.ON Energy Research Center, RWTH Aachen University · Germany
- Prof. Dr. Claire Marie Bergaentzlé Associate Professor, Technical University of Denmark (DTU) · Denmark
- Julia Frayer Managing Director, London Economics International LLC · United States
- Dr. Rahmat Poudineh Senior Research Fellow, Oxford Institute for Energy Studies · United Kingdom
- Javier Dib Chief Executive Officer (CEO), AES Andes · Chile

### **DPS2: The Future of Oil, Gas, and Diversification Strategies.**

**MONDAY, JULY 20, 14:00–15:30.**

AULA MAGNA MANUEL JOSÉ IRARRÁZVAL, CASA CENTRAL, UNIVERSIDAD CATÓLICA (UC).

- Yukari Yamashita (Session Chair) Research Advisor (former Managing Director), Institute of Energy Economics, Japan (IEEJ) · Japan
- Sylvie D'Apote Director for Natural Gas, Brazilian Oil and Gas Institute (IBP) · Brazil
- Mustafa Adel Amer Energy Technology Analyst, Gas Exporting Countries Forum (GECF) Secretariat · Qatar
- Carol Dahl Professor Emerita, Mineral and Energy Economics, Colorado School of Mines · United States

### **DPS3: Electricity Market Design: Decentralization, Flexibility, and Regulation.**

**TUESDAY, JULY 21, 11:00–12:30.**

SALÓN CARDENAL JUAN FRANCISCO FRESNO, CENTRO EXTENSIÓN DE LA  
UNIVERSIDAD CATÓLICA (UC).

- Christophe Bonnery (Session Chair) Economist and Energy Policy Expert, Paris School of Economics (PSE) · France
- Prof. Chiara Lo Prete Associate Professor of Energy Economics, Pennsylvania State University · United States
- Dr. Fulvio Fontini Full Professor of Applied Economics, University of Salento · Italy
- Juan Manuel Contreras Chief Executive Officer (CEO), CT Energía; Former Executive Director, National Energy Commission of Chile · Chile
- José Ignacio Escobar Chief Executive Officer (CEO), Colbún S.A. · Chile

### **DPS4: Critical Minerals, Supply Chains, and the Geo-Economics of Energy Transition.**

**TUESDAY, JULY 21, 11:00–12:30.**

AULA MAGNA MANUEL JOSÉ IRARRÁZVAL, CASA CENTRAL, UNIVERSIDAD  
CATÓLICA (UC).

- Prof. Roderick G. Eggert (Session Chair) Professor of Economics and Business; Deputy Director, Critical Materials Innovation Hub, Colorado School of Mines · United States
- Prof. Deyi Xu Professor, China University of Geosciences (Wuhan) · China
- Muhammad Akimaya Department Head of Corporate Planning, MIND ID (Mining Industry Indonesia) · Indonesia
- Gustavo Lagos Cruz-Coke Professor of Mining and Economics, Pontificia Universidad Católica de Chile · Chile
- Álvaro González Gorroño Undersecretary of Mining, Government of Chile · Chile

**DPS5: Energy Finance: Investment Risk, Infrastructure, and the Transition of Energy-Intensive Industries.****TUESDAY, JULY 21, 14:00–15:30.**

SALÓN CARDENAL JUAN FRANCISCO FRESNO, CENTRO EXTENSIÓN DE LA  
UNIVERSIDAD CATÓLICA (UC).

- Edmar Luiz Fagundes de Almeida (Session Chair) Professor and Energy Economist, Institute for Energy Studies (IEPUC), PUC-Rio · Brazil
- Gregory B. Upton Executive Director, Energy Institute; Associate Professor–Research, Louisiana State University (LSU) · United States
- Jean-Michel Glachant Part-time Professor; Former Director, Florence School of Regulation, European University Institute (EUI) · Italy
- Tomás Reyes Director, Department of Industrial and Systems Engineering, Pontificia Universidad Católica de Chile · Chile
- Mauricio Riveros Rodríguez Energy Sector Leader, Investment Promotion Division, InvestChile · Chile

**DPS6: Enabling Infrastructure for Economic Development, Energy Security, and Resilience.****TUESDAY JULY 21, 14:00–15:30.**

AULA MAGNA MANUEL JOSÉ IRARRÁZVAL, CASA CENTRAL, UNIVERSIDAD  
CATÓLICA (UC).

- Ying Fan (Session Chair) Professor, Beihang University · China
- John Higgins Chief Executive Officer (CEO), Resilient Structures LLC · Canada / United States
- Jimena Latorre Minister of Energy and Environment, Government of Mendoza · Argentina
- Richard Green Professor of Sustainable Energy Business, Imperial College London · United Kingdom
- Pilar Acevedo Managing Director, Power Networks, ENGIE Chile S.A. · Chile

## **DPS7: Energy Access, Energy Efficiency, and Regional Integration: Lessons from the Global South.**

**WEDNESDAY, JULY 22, 11:00–12:30.**

SALÓN CARDENAL JUAN FRANCISCO FRESNO, CENTRO EXTENSIÓN DE LA  
UNIVERSIDAD CATÓLICA (UC).

- Gerardo Rabinovich (Session Chair) Vice President, Instituto Argentino de Energía General Mosconi · Argentina
- Cristian Cárdenas-Lailhacar Associate Professor, University of Florida · United States
- Govinda Timilsina Senior Economist, Development Research Group, World Bank · Global
- Isaac Dyner Professor, Universidad Jorge Tadeo Lozano · Colombia

## **DPS8: Transport Systems Transformation: Economics, Energy Choices, and Sustainable Mobility.**

**WEDNESDAY, JULY 22, 11:00–12:30.**

AULA MAGNA MANUEL JOSÉ IRARRÁZVAL, CASA CENTRAL, UNIVERSIDAD CATÓLICA (UC).

- Carlo Di Primio (Session Chair) Past President, Italian Association of Energy Economists (AIEE) · Italy
- Huibin Du Professor, Tianjin University · China
- Heloisa Borges Esteves Director of Oil, Gas and Biofuels Studies, Empresa de Pesquisa Energética (EPE) · Brazil
- Livingstone Senyonga Lecturer and Researcher in Energy and Transport Economics, Makerere University Business School · Uganda
- Patricia Galilea Assistant Professor, Dept. of Transport Engineering and Logistics, Pontificia Universidad Católica de Chile; Member, Panel of Experts, Ministry of Transport and Telecommunications · Chile

## **YPSD: Young Professional and Student**

**DAY, SUNDAY, JULY 19, 9:00-15:30.**

The Young Professional and Student Day is a dedicated program designed to support graduate students, early-career professionals, and emerging researchers attending the 47th IAEE International Conference. Organized in collaboration with KAPSARC, the day brings together the next generation of energy economics practitioners for a focused program of mentorship, skill-building, and professional development. Through a combination of moderated panels, interactive teaching modules, and structured networking, participants engage with experienced academics, researchers, and industry professionals on themes central to building a successful career in energy economics: developing a rigorous research and professional portfolio, mastering scientific writing and publication, extending research impact into policy through effective policy briefs, and establishing a lasting global network of peers. The program reflects the conference's commitment to inclusive dialogue across career stages and to ensuring that fresh perspectives and emerging talent continue to shape the global energy conversation.

### **Speakers**

- Mehmet Emre Hatipoğlu, King Abdullah Petroleum Studies and Research Center (KAPSARC)
- Virginia Parente, Professor, Institute of Energy and Environment (IEE), University of São Paulo (USP)
- Roula Inglesi-Lotz, Professor of Economics and Chair in Just Energy Transition, University of Pretoria; Editor of Energy Policy, associate editor of Energy Economics, and a member of the Editorial Board of the Energy Journal and the Economics of Energy and Environmental Policy (EEEP) journals
- Santiago Mingo, Pontificia Universidad Católica de Chile
- Patricia Galilea, Pontificia Universidad Católica de Chile
- Enzo E. Sauma, Pontificia Universidad Católica de Chile; Editorial Board Member, The Energy Journal
- Cristian Cárdenas-Lailhacar, Associate Professor, University of Florida
- Govinda Timilsina, Senior Economist, Development Research Group, World Bank
- Ricardo Raineri, Professor, Pontificia Universidad Católica de Chile; Former Minister of Energy of Chile; Past President, International Association for Energy Economics (IAEE)

## Program

| TIME          | ACTIVITY                                                                                                             |
|---------------|----------------------------------------------------------------------------------------------------------------------|
| 09:00 – 09:15 | Registration, Tea & Networking                                                                                       |
| 09:15 – 10:30 | <b>Session 1:</b> Starting a Research Career on the Right Footing: Academic, Policy, and Private Sector Perspectives |
| 10:30 – 10:45 | Coffee Break                                                                                                         |
| 10:45 – 12:00 | <b>Session 2:</b> From Research Questions to Publishable Papers: Research Design and Publication Strategy            |
| 12:00 – 13:00 | Networking Lunch                                                                                                     |
| 13:00 – 14:30 | <b>Session 3:</b> Building a Career with Impact: Research, Policy, Business, and Global Leadership                   |

### **Session 1: Starting a Research Career on the Right Footing: Academic, Policy, and Private Sector Perspectives**

Format: Moderated panel discussion with audience interaction

**TIME: 09:15 – 10:30**

#### **Speakers**

- Mehmet Emre Hatipoğlu, King Abdullah Petroleum Studies and Research Center (KAPSARC, Moderator)
- Santiago Mingo, Pontificia Universidad Católica de Chile
- Patricia Galilea, Pontificia Universidad Católica de Chile

### **Session 2: From Research Questions to Publishable Papers: Research Design and Publication Strategy**

Format: Interactive discussion and mentoring session

**TIME: 10:45 – 12:00**

#### **Speakers**

- Mehmet Emre Hatipoğlu, King Abdullah Petroleum Studies and Research Center (KAPSARC)
- Virginia Parente, Professor, Institute of Energy and Environment (IEE), University of São Paulo (USP)

- Roula Inglesi-Lotz, Professor of Economics and DSTI/NRF SARCHI Chair in Just Energy Transition, University of Pretoria; Editor of Energy Policy, associate editor of Energy Economics, and a member of the Editorial Board of the Energy Journal and the Economics of Energy and Environmental Policy (EEEEP) journals
- Enzo E. Sauma, Pontificia Universidad Católica de Chile; Editorial Board Member, The Energy Journal

### **Session 3: Building a Career with Impact: Research, Policy, Business, and Global Leadership**

Format: Moderated panel discussion with audience interaction

**TIME: 13:00 – 14:30**

#### **Speakers**

- Mehmet Emre Hatipoğlu, King Abdullah Petroleum Studies and Research Center (KAPSARC, Moderator)
- Cristian Cárdenas-Lailhacar, Associate Professor, University of Florida
- Govinda Timilsina, Senior Economist, Development Research Group · World Bank
- Ricardo Raineri, Professor, Pontificia Universidad Católica de Chile; Former Minister of Energy of Chile; Past President, IAEE

### **Poster Session**

Monday, July 20, 12:30 – 14:00, Tuesday, July 21, 12:30-14:00

**HALL JUAN DE DIOS VIAL CORREA - CENTRO DE EXTENSIÓN PONTIFICIA  
UNIVERSIDAD CATÓLICA DE CHILE.**

#### **Speakers**

- **Ami Tokunaga** / Welfare Loss from Flat-Rate Electricity Pricing: Evidence from Japan's Wholesale Market
- **Ananya Gupta** / Investor Response to Green Mergers and Acquisitions: Evidence from Environmentally Innovative Firms in India
- **Clarisse Dupont** / Tariff Mechanism for Fast Charging Stations
- **Emon Chatterji** / Cost of Meeting the Next Peak GW: Modeling Methodology and Case Studies for China, India and Australia

- **Emon Chatterji** / Integrating Residential Energy Ratings with Network Economics: A Whole-of-Home Approach
- **Guilherme Berejuk** / Curtailment, Market Design and Regulatory Credibility under Renewable Integration: Lessons from the Brazilian Experience in the New Millennium
- **Jiyeong Pyo** / Energy Transition in High Interest Rates: The Total Cost of Ownership and Policy Simulation of Boda-Boda in Kenya
- **Joseph Mpeera Ntayi** / Electricity Expansion, Energy Transition, and Fossil Asset Stranding in Emerging Economies: A Systematic Review and Integrative Framework
- **Pilar Parada-Mayorga** / Value of Flexibility in Power Systems: Conceptual Frameworks and Real Options Analysis
- **Sharon Nuwasiima** / Leadership and Capacity Needs for a Sustainable Energy Transition Agenda
- **Syrine Gabsi** / Gender, Energy Poverty, and the Just Transition: A Value Chain Analysis of Women Entrepreneurs in Senegal
- **Xilong Yan** / International Trade, Technology Diffusion, and Implications for Global Climate Policies
- **Yaru Li** / Multi-sector Shared CCUS Network Considering Existing Pipeline Repurposing
- **Adam Suski** / Credit Risk and Settlement Frequency in Electricity Markets Hedging Contracts: The Case of Long-Duration Energy Storage

## Special Concurrent Sessions and Concurrent Sessions at a Glance / Monday 20, Module: 11:00 – 12:30

### SCS1 Monday 20, Module: 11:00 – 12:30

ROOM: SALÓN FRESNO

Session: Structuring Electricity Transition: Learning from Experiences Across the Atlantic and Beyond

Moderator: Isaac Dyner Rezonzew

| Paper ID    | Participant                                                        | Title                                                                                        |
|-------------|--------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| IAEE2026568 | Isaac Dyner<br>Edmar De Almeida<br>Richard Green<br>Fulvio Fontini | Structuring Electricity Transition: Learning from Experiences Across the Atlantic and Beyond |

**CS1 Monday 20, Module: 11:00–12:30**

ROOM: AUDITORIUM 201

Session: Social Dimensions of Energy Transition

Moderator: Luciano Losekann

| Paper ID    | Participant        | Title                                                                                      |
|-------------|--------------------|--------------------------------------------------------------------------------------------|
| IAEE2026568 | Jan Gniza          | Attitudes towards the Energy Transition: The Goal–Implementation Acceptance Gap            |
| IAEE2026343 | Luciano Losekann   | Energy Poverty Indicators: A Bibliometric Analysis of Disparities and Trends               |
| IAEE2026400 | Claudio Lucinda    | Shedding Light: Impacts of the Social Electricity Tariff Program                           |
| IAEE2026423 | Rita Lopes         | Beyond Decarbonization: Participatory Pathways for just Energy Transitions in Rural Europe |
| IAEE2026431 | João Pedro Gouveia | Tackling Energy Poverty in the EU: Evidence, Tools, and Local Action                       |

**CS2 Monday 20, Module: 11:00–12:30**

ROOM E202

Session: Carbon Markets and Climate Finance

Moderator: Fehmi Gökem Üçtuğ

| Paper ID    | Participant       | Title                                                                                                                                                                       |
|-------------|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| IAEE2026118 | Fehmi Gökem Üçtuğ | Carbon price Thresholds in Türkiye's Emissions Trading System: Enabling CCS and Hydrogen-Based Abatement in Cement, Iron–Steel, and Aluminium Sectors                       |
| IAEE2026120 | Tarun Sharma      | Modelling an Intensity Based Carbon Market: Case Study of Indian Carbon Market                                                                                              |
| IAEE2026143 | Zhou Yao          | Physics-Informed Neural Networks for Carbon Options: Multi-period Pricing with Binary Terminal Collapse and Abatement Triggers                                              |
| IAEE2026499 | Ayako Takao       | Are Forest-Based Carbon Credits Traded Between States a Just Institutional Concept? – A Comparison of Rawls' Theory of Justice and Nozick's Libertarian Approach on REDD+ – |

**CS3 Monday 20, Module: 11:00–12:30**

ROOM: E203

Session: Innovation, R&amp;D and Technology Policy for the Transition

Moderator: Soohyeon Kim

| Paper ID    | Participant                  | Title                                                                                                                                |
|-------------|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| IAEE2026526 | William Adrian Clavijo Vitto | Mandatory RD&I Obligations as an Innovation Policy Instrument: Evidence from Brazil's Oil and Gas Sector                             |
| IAEE2026253 | Young Kyu Hwang              | AI-driven low carbon energy transition: Evidence from the OECD countries                                                             |
| IAEE2026566 | Ghassan Alshehry             | Material Discovery Through Closed-Loop Machine Learning to Accelerate Energy Transition                                              |
| IAEE2026473 | Kun Queena Qian              | Cognitive Differences and the Design of Energy Efficiency Subsidies: Evidence from Residential Retrofit Decisions in the Netherlands |
| IAEE2026253 | Young Kyu Hwang              | AI-driven low carbon energy transition: Evidence from the OECD countries                                                             |

**CS4 Monday 20, Module: 11:00–12:30**

ROOM E207

Session: AI, Finance and Investment in Energy Transition

Moderator: Carol Dahl

| Paper ID    | Participant     | Title                                                                                                    |
|-------------|-----------------|----------------------------------------------------------------------------------------------------------|
| IAEE2026154 | Liyang Xu       | Integrated Techno-Financial Modeling of Hydrogen Storage Investments in Depleted Gas Reservoirs          |
| IAEE2026321 | Esther Nerima   | The role of Financial Development and Private Credit in increasing Access to Clean Energy in Uganda      |
| IAEE202643  | Rolando Fuentes | A Scalable AI-Powered Approach for Decoding Clean Tech Venture Capital Strategies and Startup Selection  |
| IAEE2026260 | Zheng Hou       | Measuring Final-to-Useful Exergy Efficiency in Large Language Model Inference                            |
| IAEE2026307 | Carol Dahl      | Data-driven and AI Research on Energy Transition Risks and Energy Security: A Review from 1970s to 2020s |

**CS5 Monday 20, Module: 11:00–12:30****ROOM E208**

Session: Energy Economics and Modeling

Moderator: Heloisa Borges Bastos Esteves

| Paper ID    | Participant                   | Title                                                                                                                 |
|-------------|-------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| IAEE2026161 | Hui Shen                      | Evaluating a whole energy system model using hindcasting: Insights from 31 European countries                         |
| IAEE2026208 | Brigitte Castañeda            | Climate Policy and Structural Change: Evidence from Latin America                                                     |
| IAEE2026518 | Heloisa Borges Bastos Esteves | Integrated Energy System Modeling for Long-Term Transition Pathways: Insights from Brazil's National Energy Plan 2055 |
| IAEE2026168 | Xin Wen                       | Empirical evidence for slack in Modeling to Generate Alternatives                                                     |
| IAEE2026304 | Wilson McNeil                 | Economic and Grid Impacts of U.S. Data Center Electricity Demand Growth                                               |

**CS6 Monday 20, Module: 11:00–12:30****ROOM E209**

Session: Energy Market Design

Moderator: Diogo Lisbona Romeiro

| Paper ID    | Participant                  | Title                                                                                                                                          |
|-------------|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| IAEE2026164 | John Joe Padua               | Understanding internal congestion in Germany: A comparative study of zonal and nodal pricing with TYNDP reinforcements.                        |
| IAEE2026420 | Guilherme Berejuk            | Curtailment, Market Design and Regulatory Credibility under Renewable Integration: Lessons from the Brazilian Experience in the New Millennium |
| IAEE202669  | Fernando Montero             | Market dynamics and regional integration in south American natural gas markets: the Brazilian case of transportation tariff multiplier         |
| IAEE2026301 | Daiana Gisele Soto Fernandez | Tariff Rebalancing in the Energy Transition: How Higher Fixed Charges Reshape Residential Demand                                               |
| IAEE2026444 | Diogo Lisbona Romeiro        | Power and Gas Integration in Brazil: how to remunerate capacity and network assets                                                             |

## Monday 20, Module: 16:00 – 17:30

### SCS2 Monday 20, Module: 16:00–17:30

ROOM: SALÓN FRESNO

Session: Supply and industry chain of critical minerals for low-carbon and clean energy development (1)

Moderator: Huajiao Li

| Paper ID    | Participant  | Title                                                                                                                                |
|-------------|--------------|--------------------------------------------------------------------------------------------------------------------------------------|
| IAEE2026545 | Wenxiao Zhou | Combating Biodiversity Degradation: Decoding Cross-Market Interlinkages: Evidence from China Biodiversity-Energy-Commodity Framework |
| IAEE2026180 | Zhewei Yu    | Homogeneous and Heterogeneous Responses of Copper Prices to Geopolitical Risks: From the Perspective of Supply Chain                 |
| IAEE2026548 | Sanmang Wu   | Research on Early Warning of Global Supply Chain Risks for China's Nickel Ore Imports: An Interpretable Deep Learning Approach       |

### CS7 Monday 20, Module: 16:00–17:30

ROOM: AUDITORIUM 201

Session: Energy Transition

Moderator: Nobuhiro Sawamura

| Paper ID    | Participant                | Title                                                                                                            |
|-------------|----------------------------|------------------------------------------------------------------------------------------------------------------|
| IAEE2026306 | Juan Pablo Viteri          | Complementarity and downside risk in Uruguay's renewable power system                                            |
| IAEE2026309 | Nobuhiro Sawamura          | Comparative Analysis to Allocate Greenhouse Gas Emissions from International Shipping                            |
| IAEE2026121 | Fernando Pieroni           | Techno-Economic Trade-Offs of BECCS Deployment in the Brazilian Sugarcane Sector: Mapping Economic Drivers       |
| IAEE2026299 | Eloi Fernández Y Fernández | Hybrid power plants in isolated systems: cost-optimal sizing and decarbonization trade-offs for Tefé-AM (Brazil) |

**CS8 Monday 20, Module: 16:00–17:30**

ROOM: AULA MAGNA CASA CENTRAL UC

Session: Decarbonizing Industry and Transport

Moderator: Sharon Nuwasiima

| Paper ID    | Participant                   | Title                                                                                                                 |
|-------------|-------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| IAEE2026161 | Hui Shen                      | Evaluating a whole energy system model using hindcasting: Insights from 31 European countries                         |
| IAEE2026208 | Brigitte Castañeda            | Climate Policy and Structural Change: Evidence from Latin America                                                     |
| IAEE2026518 | Heloisa Borges Bastos Esteves | Integrated Energy System Modeling for Long-Term Transition Pathways: Insights from Brazil's National Energy Plan 2055 |
| IAEE2026168 | Xin Wen                       | Empirical evidence for slack in Modeling to Generate Alternatives                                                     |
| IAEE2026304 | Wilson McNeil                 | Economic and Grid Impacts of U.S. Data Center Electricity Demand Growth                                               |

**CS09 Monday 20, Module: 16:00–17:30**

ROOM: E202

Session: Climate Resilience, Water–Energy–Food and Agriculture

Moderator: Leandro Maciel

| Paper ID    | Participant       | Title                                                                                                                 |
|-------------|-------------------|-----------------------------------------------------------------------------------------------------------------------|
| IAEE2026481 | Leandro Maciel    | Extreme weather events and energy system resilience: Policy lessons from Brazil                                       |
| IAEE2026246 | Mlondi Ndovela    | Application of GEMMES-SA in the context of water-energy-food infrastructure investments: A Scenario Building Exercise |
| IAEE2026475 | Soumya Basu       | Decentralized Electrolytic Ammonia: Prospects for Agricultural Economic Development in Rural India.                   |
| IAEE2026362 | Claudio Lucinda   | Simplifying Climate Risk Communication: Evidence from a Randomized Experiment in Jamaica                              |
| IAEE2026506 | Tri Bagus Prabowo | Bioenergy Expansion under Water–Energy–Food Constraints: A Panel Econometric Analysis of ASEAN Economies              |

**CS10 Monday 20, Module: 16:00–17:30**

ROOM: E203

Session: Energy Policy and Regulation

Moderator: Govinda Timilsina

| Paper ID    | Participant              | Title                                                                                                                                                |
|-------------|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| IAEE2026229 | Theodoros Arvanitopoulos | Climate policy portfolios that accelerate emission reductions                                                                                        |
| IAEE2026480 | Govinda Timilsina        | Factors Behind Weak Performance of Utilities in Sub-Saharan Africa.                                                                                  |
| IAEE202680  | Majed Almozaini          | Carbon Pricing, Growth, and Green Financing: Policy Options for Saudi Arabia.                                                                        |
| IAEE2026146 | Andre Leite              | Renewable Energy Subsidies and Energy Injustice: Evidence from Low-Income Households in Brazil                                                       |
| IAEE2026462 | Jaime Portugal           | Lowering Delivered Energy Costs Under Renewable Intermittency: Tariff Design and Regulatory Risk Mitigation for Gas Pipelines and Power Transmission |

**CS11 Monday 20, Module: 16:00–17:30**

ROOM: E207

Session: Energy Economics and Modeling

Moderator: Silvan M. Radke

| Paper ID    | Participant          | Title                                                                                                            |
|-------------|----------------------|------------------------------------------------------------------------------------------------------------------|
| IAEE2026255 | Adolfo Uribe Poblete | Hidden Costs of Climate Goals: A Life Cycle Perspective on the Net-Zero Path of the Swiss Energy Sector          |
| IAEE2026271 | Silvan M. Radke      | Benefits of resilient supply chains: A stochastic cost-benefit analysis of European hydrogen infrastructure      |
| IAEE2026156 | Alex Mugarura        | Governance quality and Electricity price forecasting in East Africa Community: A probabilistic approach          |
| IAEE2026273 | Daniel Águila        | Congestion Rents as Investment Signals: Restoring Long-Term Economic Efficiency in Liberalized Power Systems     |
| IAEE2026372 | Iago Gomes Gonçalves | Energy Integration and Climate Cooperation in an Extended RICE Model: Long-Run Climate and Economic Implications |

**CS12 Monday 20, Module: 16:00–17:30**

ROOM: E208

Session: Energy Transition

Moderator: Isaac Dyrer

| Paper ID    | Participant                   | Title                                                                                                                                               |
|-------------|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| IAEE2026280 | Sebastian Gajardo             | Green Ammonia Trade between Chile and Europe: The Interaction of Carbon Pricing and Export Competitiveness                                          |
| IAEE2026295 | Ronett Atukunda               | Energy Transition or Energy Addition? Multinomial Evidence from Electric Motorcycle Adoption in Kampala- Uganda                                     |
| IAEE202666  | Marjan Nazifi                 | Keeping It Local: Determinants of Household Intentions for Community Energy                                                                         |
| IAEE2026318 | Isaac Dyrer                   | Exploring the virtuous cycle involving energy transition and GDP growth for speeding sustainable development - a sector-specific focus for Colombia |
| IAEE2026519 | Heloisa Borges Bastos Esteves | Hydrocarbons, Just Transition and Differentiated Responsibilities: Rethinking Energy Transition Pathways in Latin America                           |

**CS13 Monday 20, Module: 16:00–17:30**

ROOM: E209

Session: Energy Transition

Moderator: Al-Amin Habib Abba Jato

| Paper ID    | Participant          | Title                                                                                                                                                               |
|-------------|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| IAEE202682  | Amin Habib Abba Jato | Dynamic Interactions Among Energy Consumption, Economic Growth, and CO2 Emissions: Evidence from Empirical Analysis for Policy Implication and Technology Adoption. |
| IAEE202686  | Litu Sethi           | Navigating the Energy Trilemma in Developing Economies: Policy Levers for Sustainable Energy Transition                                                             |
| IAEE2026112 | Stephen Kirama       | Economic Policy Instruments Effectiveness in Accelerating Energy Transition: Evidence from global Energy Transition Indexes.                                        |
| IAEE202645  | Zohreh Salimian      | Energy Communities as Autonomous Multifacility Clubs                                                                                                                |
| IAEE2026116 | Philipp Riegebauer   | AI-Supported Heating control in Municipal Buildings: Evaluated Measures and Algorithmic Inputs                                                                      |

**Tuesday 21, Module 09:00–10:30****SCS3 Tuesday 21, Module 09:00–10:30**

ROOM: SALÓN FRESNO

Session: Supply and industry chain of critical minerals for low-carbon and clean energy development (2)

Moderator: Huajiao Li

| Paper ID    | Participant | Title                                                                                             |
|-------------|-------------|---------------------------------------------------------------------------------------------------|
| IAEE2026182 | Zipeng Lin  | The Pressing Water Crisis of Lithium Boom Urges Joint Mitigation Efforts                          |
| IAEE202661  | Deyi Xu     | The dynamic complexity of critical mineral supply chains reveals the paradox of energy transition |
| IAEE202654  | Huajiao Li  | Supply and industry chain of critical minerals for low-carbon and clean energy development (2)    |

**CS14 Tuesday 21, Module 09:00–10:30**

ROOM: AUDITORIUM 201

Session: Renewable Energy Prospects

Moderator: Adriana Marcela Durán Pabón

| Paper ID    | Participant                         | Title                                                                                                                                       |
|-------------|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| IAEE2026149 | Nobuhiro Fuke                       | Seasonal Variation in Solar Photovoltaic's Impact on Electricity Price Variability: A Quantile Regression Analysis of Kyushu, Japan         |
| IAEE2026291 | Mohammed Al-Hejaili                 | Ramp-Up Rate on Solar PV Power Plants: Operational and Economic Implications                                                                |
| IAEE2026406 | Sergio Luiz Pinto Castiñeiras Filho | Exploiting sugarcane bioenergy with CCU through lipid-rich microalgae: economic risk analysis of biorefineries using Monte Carlo simulation |
| IAEE2026415 | Adriana Marcela Durán Pabón         | Estimating Wind Turbine Degradation Over Time                                                                                               |
| IAEE202698  | Charles Mason                       | Volatility in Solar Renewable Energy Certificates: Jumps and Fat Tails                                                                      |

**CS15 Tuesday 21, Module 09:00–10:30****ROOM: E202**

Session: Digitalization and Energy Markets

Moderator: Kai Rommel

| Paper ID    | Participant                   | Title                                                                                                |
|-------------|-------------------------------|------------------------------------------------------------------------------------------------------|
| IAEE2026172 | Leonardo Lima Gomes           | A Blockchain-based Book and Claim System Applied to the Diesel R Case                                |
| IAEE2026173 | Carlos Eduardo Camara Pereira | A Blockchain-based Chain of Custody Framework: The Bunker Fuel Case                                  |
| IAEE2026267 | Boris Ortega                  | Privacy Valuation and Privacy-Seeking Behavior: Lessons from an Information Treatment                |
| IAEE2026363 | Kai Rommel                    | Influence of context effects on stated preferences for digitized service offerings                   |
| IAEE2026332 | Tessa Hubble                  | The challenges of transition: South Africa's path towards a competitive wholesale electricity market |

**CS16 Tuesday 21, Module 09:00–10:30****ROOM: AULA MAGNA CASA CENTRAL**

Session: Energy Transition

Moderator: Jaime Portugal

| Paper ID    | Participant       | Title                                                                                                                                                                      |
|-------------|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| IAEE2026109 | Thor Gallardo     | Bridging Renewable Carbon to Methanol: Biomass and Biogas Conversion Pathways for Scalable Low-Carbon Fuels                                                                |
| IAEE2026455 | Jaime Portugal    | From Curtailment to Trade: Valuing Gas and Power Corridors Across Argentina–Bolivia–Chile–Brazil                                                                           |
| IAEE2026266 | Jonghyeok Han     | Competing Flexibility Strategies under a 2050 Carbon-Neutrality Constraint: ESS-Led Renewables and Coal-Site Brownfield SMR Repowering in an Expansion–Operation Framework |
| IAEE2026335 | Jessica Kiln      | From Monopoly to Market: Renewable energy integration and the structural transformation of electricity supply industries in emerging markets — Evidence from South Africa  |
| IAEE2026239 | Balachandra Patil | Firm Power in a Greener Grid: Navigating through India's Energy Transition Pathways                                                                                        |

**CS17 Tuesday 21, Module 09:00–10:30**

ROOM E203

Session: Energy Efficiency

Moderator: Junko Ogawa

| Paper ID    | Participant      | Title                                                                                                               |
|-------------|------------------|---------------------------------------------------------------------------------------------------------------------|
| IAEE2026337 | Junko Ogawa      | Profiling Energy-Saving Awareness in Japan: Which Households Are Motivated to Save Energy?                          |
| IAEE2026345 | Antonin Beringhs | The role of risk-mitigation mechanisms in energy renovations: Evidence from a discrete choice experiment.           |
| IAEE2026347 | Nisha Rani       | A state-level analysis of energy efficiency potential and achievements of the Indian aggregate manufacturing sector |
| IAEE2026350 | Baichen Xie      | Real-Time Reliability Assessment of Grid-Connected Power Plants Using Satisficing Data Envelopment Analysis         |
| IAEE2026384 | Fernando Pieroni | Benchmarking the Economic and Environmental Impacts of Oilwell Drilling                                             |

**CS18 Tuesday 21, Module 09:00–10:30**

ROOM E207

Session: Electricity Markets

Moderator: Kota Sugimoto

| Paper ID    | Participant          | Title                                                                                                                   |
|-------------|----------------------|-------------------------------------------------------------------------------------------------------------------------|
| IAEE2026425 | Adam Suski           | Credit Risk and Settlement Frequency in Electricity Markets Hedging Contracts: The Case of Long-Duration Energy Storage |
| IAEE2026148 | Kota Sugimoto        | Renewable Energy and Carbon Emissions: Spillovers Across Regions                                                        |
| IAEE2026389 | Olivier Massol       | Valuing Demand-side Flexibility: Toward a Supply-curve for Additional Flexible Capacity                                 |
| IAEE2026447 | Diogo Lisboa Romeiro | Time of Use for Net Energy Metering Adopters: projected impacts on Brazilian distributed solar generation               |
| IAEE2026227 | Naielly Marques      | A Blockchain-Based Application for Passenger-Level Aviation Emission Neutralization                                     |

**CS19 Tuesday 21, Module 09:00–10:30**

ROOM E208

Session: Energy System Modeling and Innovation

Moderator: Soohyeon Kim

| Paper ID    | Participant          | Title                                                                                                                                  |
|-------------|----------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| IAEE2026355 | Diego Cebberos       | Incentive Compatibility in Vehicle-to-Grid Business Models                                                                             |
| IAEE2026166 | Rudi Van Els         | Suriname and the NDC targets - a gap analyses using OSeMOSYS                                                                           |
| IAEE2026224 | Sebastian Oliva H.   | Techno-economic assessment of optimally designed distributed energy investments throughout Chile                                       |
| IAEE2026119 | Kévin Vandermarlière | Why Methane Matters: A Dual Approach to Policy Impact and Abatement Cost Modeling in the U.S. Oil and Gas Sector                       |
| IAEE2026356 | Soohyeon Kim         | Capital Allocation Across Industries by Global Energy Firms: Industry Distance, Technological Proximity, and Structural Transformation |

**CS20 Tuesday 21, Module 09:00–10:30**

ROOM E209

Session: Mineral and Oil Resource Economics

Moderator: Maylis Peyret

| Paper ID    | Participant               | Title                                                                                                                    |
|-------------|---------------------------|--------------------------------------------------------------------------------------------------------------------------|
| IAEE2026264 | Javier Bustos Salvagno    | Mining, Critical Minerals, and Climate Policy Feedback: Insights from Chile's Energy Transition                          |
| IAEE2026411 | Jun Li                    | Optimal strategy of energy assets management: a portfolio risk hedging perspective                                       |
| IAEE2026453 | Roberto Ferreira Da Cunha | Hotelling's Sweet Spot: Geological Constraints, Resource Economics, and the Emergence of Bell-Shaped Supply Trajectories |
| IAEE202679  | Maylis Peyret             | What Makes Copper Markets Economically Sustainable?                                                                      |
| IAEE202697  | Charles Mason             | Whose Frac Is It, anyway? Using Sources of Productivity Gains to Explain Industrial Organization in Oilfield Services    |

**Tuesday 21, Module 16:00–17:30****SCS4 Tuesday 21, Module 16:00–17:30**

ROOM SALÓN FRESNO

Session: Clean Energy Pathways for a Global South Just Transition:  
Evidence from the MCET Network

Moderator: Luis Fernandez Intriago

| Paper ID    | Participant             | Title                                                                                                                       |
|-------------|-------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| IAEE2026445 | Luis Fernandez Intriago | Clean Energy Pathways for a Global South Just Transition: Evidence from the MCET Network                                    |
| IAEE2026456 | Rodrigo Borquez         | Clean Energy Pathways for a Global South Just Transition: Synthesis and Macroeconomic Perspective                           |
| IAEE2026448 | Manuel Portilla Paveri  | Demand Response as a Flexibility Resource in Electricity System Decarbonization: Evidence from Chile, Colombia, and Vietnam |
| IAEE2026450 | Paola Acevedo           | SWITCH-Honduras: Integrating Territorial Justice Elements into Long-Term Energy Planning Models                             |
| IAEE2026451 | Tarun Sharma            | Modelling Demand-Responsive Pricing for India's Power Sector: A Scenario-Based Policy Analysis Using the SWITCH Platform    |

**CS21 Tuesday 21, Module 16:00–17:30**

ROOM AUDITORIUM 201

Session: Oil and Gas Markets: Resources, Networks and Regulation

Moderator: Muhammad Akimaya

| Paper ID    | Participant           | Title                                                                                                       |
|-------------|-----------------------|-------------------------------------------------------------------------------------------------------------|
| IAEE2026211 | Muhammad Akimaya      | The Effect of Energy Transition to the Importance of KSA's Oil Exports as a Measure of Market Power         |
| IAEE2026410 | Storm Morison         | Representing gas-electricity interdependencies in South Africa's long-term power system planning            |
| IAEE2026452 | João Amorim           | Market Power in a Constrained Gas Network: A Nash–Cournot Complementarity Framework                         |
| IAEE2026479 | Edson Gonçalves       | Regulatory Asset Base Valuation for Natural Gas Transmission Pipelines in Brazil                            |
| IAEE2026145 | Alexandre Scarioffolo | The Market Integration between Road and Ocean: An Analysis of Price Dynamics between Truck and Marine Fuel. |

**CS22 Tuesday 21, Module 16:00–17:30****ROOM E202**

Session: Energy Economics and Modeling

Moderator: Liying Xu

| Paper ID    | Participant             | Title                                                                                                                                |
|-------------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| IAEE2026231 | Ivo Nacucchio           | Argentina's Gas Balance and Exports: Mathematical Programming & Simulation for Decision-Making under Different Regulatory Frameworks |
| IAEE202644  | Rolando Fuentes         | How Energy Scenarios Shape—and Distort—Strategic Thinking                                                                            |
| IAEE2026297 | Matheus Gonçalves Costa | Quantifying Regional Economic Benefits: A Framework for Multi-National Hydro Integration in Central Asia                             |
| IAEE2026158 | Liying Xu               | Techno-Economic Evaluation of a Carbon-Neutral Transoceanic LNG–CO <sub>2</sub> Energy System Integrating Carbon Sequestration       |
| IAEE2026157 | Alex Mugarura           | Electricity price forecasting approaches and emerging research gaps: A systematic review                                             |

**CS23 Tuesday 21, Module 16:00–17:30****ROOM: E203**

Session: Hydrogen Economy

Moderator: Julieta Rabinovich

| Paper ID    | Participant             | Title                                                                                                                                                        |
|-------------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| IAEE2026298 | Monique Riscado Stilpen | International Hydrogen Market Development: Lessons for Brazil's Strategic Positioning                                                                        |
| IAEE2026514 | Johannes Felipe Giehl   | From Renewable Resources to Industrial Decarbonisation: Optimising Co-Located Renewable Power and Green Fuel Hubs for Export and Mining in the case of Chile |
| IAEE2026279 | Alexandre Figueiredo    | AI-Driven Hydrogen and FCC Oxy-Combustion Pathways for Low-Carbon Refineries                                                                                 |
| IAEE2026537 | Julieta Rabinovich      | The Hydrogen Economy: Resetting Expectations, Scaling Challenges, and Strategic Coordination.                                                                |
| IAEE202687  | Wei Li                  | How Institutional Configurations Drive the Regional Adoption of Hydrogen Fuel Cell Vehicles                                                                  |

**CS24 Tuesday 21, Module 16:00–17:30**

ROOM: AULA MAGNA-CASA CENTRAL

Session: Renewable Integration and Green Hydrogen Planning

Moderator: Luana Gaspar

| Paper ID    | Participant        | Title                                                                                                           |
|-------------|--------------------|-----------------------------------------------------------------------------------------------------------------|
| IAEE2026464 | Camilo Herrera     | SWITCH Colombia An Open-source Renewable Energy Model for the Long-term Planning of Electricity Generation      |
| IAEE2026290 | Luana Gaspar       | Optimal risk-averse design of green hydrogen projects: a stochastic optimization approach                       |
| IAEE2026424 | Marcelo Maestrini  | Green Hydrogen and the Political Economy of Derisking in Brazil: From Market-Shaping to Risk Absorption         |
| IAEE2026174 | Zheng Hou          | When Flexibility Matters: Measuring Thermal Plant Efficiency Under Market Uncertainty and Renewable Variability |
| IAEE2026414 | Shashank Prabhakar | Supply-Side Optimization Framework for India's Electricity Sector                                               |

**CS25 Tuesday 21, Module 16:00–17:30**

ROOM E207

Session: Energy Transition

Moderator: Jessica Kiln

| Paper ID    | Participant           | Title                                                                                                                                              |
|-------------|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| IAEE2026302 | Wilson Salazar Guarín | An integrated multi-criteria decision analysis framework for onshore wind project evaluation in Colombia                                           |
| IAEE2026196 | Lucas Lourenção       | On a “Green” Commodity Trap: Energy Transitions, External Coercion and National Development Over 1850–1950 Between Brazil and Japan                |
| IAEE2026242 | Jorge Arbache         | North–South Integration in the Global Energy Transition                                                                                            |
| IAEE2026328 | Jessica Kiln          | Winners and losers in the energy transition: A framework for assessing country-level structural readiness                                          |
| IAEE2026457 | Jaime Portugal        | Virtual Energy Storage via Regional Gas–Power Exchanges: Valuing Flexibility and Liquidity Using Underutilized Infrastructure in the Southern Cone |

**CS26 Tuesday 21, Module 16:00–17:30**

ROOM E208

Session: Global Energy Security

Moderator: Emre Hatipoglu

| Paper ID    | Participant         | Title                                                                                          |
|-------------|---------------------|------------------------------------------------------------------------------------------------|
| IAEE2026292 | Helen Anais Fischer | Supply Risk Budget Allocation across Commodities in a Net-Zero Energy System                   |
| IAEE2026315 | Kari Anne Fange     | Conceptualizing energy security in the literature on European electricity market integration   |
| IAEE202648  | Roberto Cardinale   | Rethinking energy security: Economic intelligence for industrial strategies                    |
| IAEE2026171 | Joseph Wilson       | Energy security dynamics in Sub-Saharan Africa: Assessment of selected countries in the region |

**CS27 Tuesday 21, Module 16:00–17:30**

ROOM E209

Session: Energy Economics and Modeling

Moderator: Julia Frayer

| Paper ID    | Participant                 | Title                                                                                                        |
|-------------|-----------------------------|--------------------------------------------------------------------------------------------------------------|
| IAEE2026147 | Marcus Jude San Pedro       | Hardship trilemma in New Zealand: heat, eat or move                                                          |
| IAEE2026270 | Tarun Sharma                | Material Constraints and Electrification in Net-Zero Pathways: An Integrated Energy System Modeling Analysis |
| IAEE2026287 | Luis E Gonzales             | Measuring the Cost of Darkness: A Systemic Value of Lost Load Framework for Power System Resilience in Chile |
| IAEE2026367 | Benjamin Wassermann         | Fuel Subsidies and Expansion Planning in Isolated Power Systems: Evidence from Chile's Medium-Sized Systems  |
| IAEE2026397 | Cristian Cardenas-Lailhacar | Energy and water savings in AI data centers                                                                  |

**Wednesday 22, Module 09:00–10:30****SCS5 Wednesday 22, Module 09:00–10:30**

ROOM: SALÓN FRESNO

Session: Bridging or Widening the Gap? Just Energy Transitions in the Global North and South

Moderator: Roula Inglesi-Lotz

| Paper ID    | Participant         | Title                                                                                                     |
|-------------|---------------------|-----------------------------------------------------------------------------------------------------------|
| IAEE2026206 | Roula Inglesi-Lotz  | Bridging or Widening the Gap? Just Energy Transitions in the Global North and South                       |
| IAEE2026482 | Roula Inglesi-Lotz  | Carbon Border Adjustment Mechanisms and the Just Energy Transition in the Global South                    |
| IAEE2026483 | WiZelle Kritzingger | Energy Poverty and the Social Architecture of Just Transition Policy                                      |
| IAEE2026484 | Roula Inglesi-Lotz  | Global Convergence or Persistent Divergence? Comparative Pathways in Just Energy Transition Policy Design |
| IAEE2026485 | Roula Inglesi-Lotz  | Urbanisation and energy poverty in Africa south of the Sahara: the role of the growth-energy nexus        |

**CS28 Wednesday 22, Module 09:00–10:30**

ROOM E202

Session: Energy Markets

Moderator: Tilisa Ore Monago

| Paper ID    | Participant          | Title                                                                                                                          |
|-------------|----------------------|--------------------------------------------------------------------------------------------------------------------------------|
| IAEE2026228 | Leonardo Lima Gomes  | A Risk Analysis Model of a Natural Gas Float-To-Fix Swap Trading in The Brazilian New Gas Market                               |
| IAEE2026300 | Abril Saracho        | Short- and long-term price elasticity of residential energy consumption: Evidence from a natural experiment with social tariff |
| IAEE2026310 | Tilisa Ore Monago    | Price dispersion and competition in the Texas retail electricity market                                                        |
| IAEE202695  | Hugo Borges Da Silva | Structural Patterns and Changes in Brazil's Oil and Refined Products Trade: An Assessment for 2000–2024.                       |
| IAEE2026325 | Sang-Woo Yun         | Dynamic Incentive-Compatible Contract Design in Energy Data Markets under Moral Hazard                                         |

**CS29 Wednesday 22, Module 09:00–10:30**

ROOM E203

Session: Energy Finance and Investments

Moderator: Tao Ling

| Paper ID    | Participant                 | Title                                                                                                                      |
|-------------|-----------------------------|----------------------------------------------------------------------------------------------------------------------------|
| IAEE2026100 | Tao Ling                    | Banks Climate Stress Testing Based on Energy Sectors                                                                       |
| IAEE2026188 | Lindomayara França Ferreira | Local Industrial Development of the Wind Energy Sector: An Impact Assessment of Financing in Brazil                        |
| IAEE2026198 | Joseph Ahaisibwe            | Financing Frameworks and Models for Renewable Energy Investment: A Systematic Literature Review                            |
| IAEE2026207 | Caio Correa Costa           | Financing the Energy Transition in Emerging Economies: Public Investment, Private Participation, and Institutional Quality |
| IAEE2026385 | Hudson Nyikadzawanda        | The Bankability-Equity Paradox: Spatial Financing Traps in South Africa's Just Transition                                  |

**CS30 Wednesday 22, Module 09:00–10:30**

ROOM E207

Session: Electricity Markets

Moderator: Olvar Bergland

| Paper ID    | Participant                  | Title                                                                                                                                         |
|-------------|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| IAEE2026333 | Munyaradzi Keith Mupazviriho | Market Transition Mechanisms in Stressed Electricity Systems: A Simulation-Based Evaluation of the South African Market                       |
| IAEE2026353 | Olvar Bergland               | On the Distributional Effects of Water on Fire                                                                                                |
| IAEE2026194 | Laura Wangen                 | Distribution Network Cost Recovery and Allocation in Energy Communities                                                                       |
| IAEE2026369 | Kay Walsh                    | Reconciling Competing Objectives in Vesting Contract Design: Enabling South Africa's Transition to a Competitive Wholesale Electricity Market |
| IAEE2026308 | Juliana Serra                | Estimating Markups in a Hydro-Dominated Bid-Based Electricity Market: Evidence from Colombia                                                  |

## CS31 Wednesday 22, Module 09:00–10:30

ROOM E208

Session: Social Equity and Sustainable Development

Moderator: Meenu Bhaskar

| Paper ID    | Participant          | Title                                                                                                                                                                          |
|-------------|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| IAEE2026223 | Litu Sethi           | Rebalancing the Energy Security, Energy Equity, and Environmental Sustainability in Developing Countries: Do Energy Investments and Financial Systems Play a Synergistic Role? |
| IAEE2026159 | Dinesh Korrapati     | Public Communication on the Energy Transition - A Natural Language Processing Approach for Analyzing News Data                                                                 |
| IAEE2026175 | Adolfo Uribe Poblete | Linking Life Cycle Environmental Impacts and Energy Poverty: A Framework for Equitable Heating Transitions                                                                     |
| IAEE2026336 | Meenu Bhaskar        | The Impact of PMUY on Household Nutrition: Evidence from India                                                                                                                 |

## CS32 Wednesday 22, Module 09:00–10:30

ROOM E209

Session: Energy Policy, Security and Geopolitics

Moderator: Xiyu Wang

| Paper ID    | Participant       | Title                                                                                                                       |
|-------------|-------------------|-----------------------------------------------------------------------------------------------------------------------------|
| IAEE202685  | Xiyu Wang         | Strategy analysis based on text mining of Chinese policy mentioning both energy affairs and Latin American countries        |
| IAEE2026283 | Tomasz Wiśniewski | Divergent Pathways of Energy Rivalry by Major Superpowers: Aligning Energy Policy Choices Across Continents                 |
| IAEE2026430 | Mustafa Amer      | US Natural Gas Supply at the Intersection of Oil and Gas Prices: Econometric Evidence and Implications for Global LNG Trade |
| IAEE2026507 | Tri Bagus Prabowo | Energy Governance Fragmentation and Strategic Autonomy: Indonesia's Policy Architecture in the Global Energy Transition     |

**CS33 Wednesday 22, Module 09:00–10:30**

ROOM: AUDITORIUM 201

Session: Supply Chains, Regional Cooperation and Critical Minerals

Moderator: Virginia Parente

| Paper ID    | Participant         | Title                                                                                                                                                            |
|-------------|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| IAEE2026388 | Hans Auer           | Strategic Interactions in the Solar PV Module Supply Chain: An Equilibrium Problem with Equilibrium Constraints Framework for Economic and Geopolitical Analysis |
| IAEE2026160 | Xi Deng             | The New Paradigm of China-Latin America Oil Cooperation in the Context of Global Energy Fragmentation                                                            |
| IAEE2026215 | Jorge Miranda Pinto | Macroeconomic Effects of Rare Earths Supply Chain Disruptions                                                                                                    |
| IAEE2026220 | Oliver Reschreiter  | Crisis Governance and Energy Security in Integrated Markets: Lessons from REPowerEU                                                                              |
| IAEE2026316 | Virginia Parente    | Financial guarantees for the decommissioning of oil and natural gas facilities: lessons from the new US regulatory framework.                                    |

**CS34 Wednesday 22, Module 09:00–10:30**

ROOM: AULA MAGNA CASA CENTRAL UC

Session: Electricity Markets

Moderator: Enzo Sauma

| Paper ID    | Participant      | Title                                                                              |
|-------------|------------------|------------------------------------------------------------------------------------|
| IAEE2026379 | Nina Goldenzweig | Transitioning to a Bid-Based Power Pricing Mechanism: Risk Mitigation Strategies   |
| IAEE2026405 | Richard Green    | Energy Storage, Reliability and Missing Money: Analytical Results                  |
| IAEE2026471 | Enzo Sauma       | Long-Term Chilean Power System Expansion Planning with BESS degradation modeling   |
| IAEE2026570 | Marco Baudino    | How much retail-price volatility should consumers bear? Evidence from Spain's PVPC |

**Wednesday 22, Module 14:00–15:30****SCS6 Wednesday 22, Module 14:00–15:30**

ROOM: SALÓN FRESNO

Session: Energy Transition and Environmental Regulation

Moderator: Xiaoli Zhao

| Paper ID    | Participant | Title                                                                                                |
|-------------|-------------|------------------------------------------------------------------------------------------------------|
| IAEE2026558 | Yang Yu     | AI Coordinated Assessment for Cross-regional Power Capacity Sharing on Zero-Carbon Grid              |
| IAEE2026554 | Xiaoli Zhao | Just Energy Transition: a Perspective of Deploying Photovoltaic Power in Coal Mining Regions         |
| IAEE2026556 | Xing Yao    | Wind and Solar Resource Assessment and Economic Evaluation Considering the Impacts of Climate Change |
| IAEE2026557 | Yongli Wang | Cooperative Optimization of Artificial Intelligence and Integrated Energy Systems                    |

**CS35 Wednesday 22, Module 14:00–15:30**

ROOM: E202

Session: Electricity Market Design and Regional Integration

Moderator: Chiara Lo Prete

| Paper ID    | Participant           | Title                                                                                                                                    |
|-------------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| IAEE2026114 | Chiara Lo Prete       | Modeling the integration of long-term energy contracts in New England's wholesale electricity markets                                    |
| IAEE2026126 | Rahmat Poudineh       | Policy-Cost Avoidance in Liberalised Retail Electricity Markets                                                                          |
| IAEE2026374 | Gabriel Rocha A Cunha | Modeling a South American regional market: The benefits of flexible Month-Ahead commitments                                              |
| IAEE2026432 | Javier Maquieyra      | Electricity Market Design: How do we get electricity markets to respect the levels of reliability that customers are willing to pay for? |

**CS36 Wednesday 22, Module 14:00–15:30**

ROOM E203

Session: Grids, Storage and Infrastructure for Renewable Integration

Moderator: Brandon Schaufele

| Paper ID    | Participant              | Title                                                                                                                                             |
|-------------|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| IAEE2026284 | Yiming Du                | Climate-Induced Flexibility Demand Reshapes the Roles of Storage and Coal in China's Power System                                                 |
| IAEE2026216 | Zhi-Tao Zhang            | Does digital technology innovation mitigate the impact of high renewable energy penetration on power grid service efficiency? Evidence from China |
| IAEE202684  | Joaquín Corvalán Azpíazu | Renewable energy curtailment and regional electricity integration in South America                                                                |
| IAEE2026129 | Brandon Schaufele        | A Stock-Flow Model of Regulated Utility Investment, Extraordinary Recovery and Stranded Assets                                                    |
| IAEE2026348 | Xiaoya Li                | Is Retirement Sequencing More Important than Retirement Scale? Carbon–Water Synergies of Coal Power under Carbon Neutrality                       |

**CS37 Wednesday 22, Module 14:00–15:30**

ROOM E207

Session: Nuclear Power and Firm Capacity in Energy Transition

Moderator: Timothy Fitzgerald

| Paper ID    | Participant                      | Title                                                                                                         |
|-------------|----------------------------------|---------------------------------------------------------------------------------------------------------------|
| IAEE2026311 | Timothy Fitzgerald               | Nuclear Construction Completions, Cost Overruns, and Abandonments in the United States                        |
| IAEE2026403 | Lucas Javier Fernandez De Losada | Assessing net-zero energy system configurations under a Nuclear Power revival: A Swiss Case Study             |
| IAEE2026428 | Eric Wieser                      | The Economics of Tariffs and Capital Costs in New Nuclear Power                                               |
| IAEE2026562 | Wei Fan                          | Economic Trade-off between Renewable Energy Integration and System Reliability in Carbon-Neutral Power System |

**CS38 Wednesday 22, Module 14:00–15:30**

ROOM E208

Session: Corporate Decarbonization and System Resilience

Moderator: Gerardo Alejandro Blanco Bogado

| Paper ID    | Participant                     | Title                                                                                                             |
|-------------|---------------------------------|-------------------------------------------------------------------------------------------------------------------|
| IAEE2026386 | Ananya Gupta                    | Investor Response to Green Mergers and Acquisitions: Evidence from Environmentally Innovative Firms in India      |
| IAEE2026509 | Eduardo Kayo                    | Climate Shocks and Substitution Dynamics in Brazil's Hydrothermal Power System                                    |
| IAEE2026289 | Gerardo Alejandro Blanco Bogado | Quantifying the Value of Cross-Border Power Interconnections for Decarbonization and Resilience in Latin America  |
| IAEE2026502 | Sergio Braga                    | Transitional Decarbonization of Freight Transport: Experimental Evidence for Hydrogen–Diesel Dual-Fuel Strategies |
| IAEE2026305 | Rodrigo Cestau Oyhançabal       | Science-Based Targets initiative and Firm Greenhouse-Gas Emissions: Evidence from Dynamic Panel Estimates         |

**CS39 Wednesday 22, Module 14:00–15:30**

ROOM E209

Session: Energy Access, Mobility and Energy Poverty

Moderator: Raed Al Mestneer

| Paper ID    | Participant            | Title                                                                                                                            |
|-------------|------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| IAEE2026111 | Joshua Adeyemi Afolabi | Asymmetric Vehicle Transition and Decarbonization in the EU: The Mediating Role of Environmental Policy Stringency               |
| IAEE2026199 | Raed Al Mestneer       | Introduction of Electric Vehicles in Saudi Arabia: Impacts on Oil Consumption, CO <sub>2</sub> Emissions, and Electricity Demand |
| IAEE2026434 | Juan Felipe Henao Piza | Reallocating Off-Grid Electrification Budgets in Colombia: A Biomass Transition Strategy to Reduce Energy Poverty                |
| IAEE2026125 | Alejandro Danon        | Timing matters: exploring the causal effect and potential mechanisms of a liquidity shock on delayed payments                    |

**CS40 Wednesday 22, Module 14:00–15:30**

ROOM E201

Session: Social Dimensions of Energy Transition

Moderator: Maria Cecilia Pereira de Araujo

| Paper ID    | Participant                     | Title                                                                                                                               |
|-------------|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| IAEE2026165 | Yuxiang Ye                      | The impact of price on the estimation of electricity Engel curves and required energy consumption                                   |
| IAEE2026296 | Maria Cecilia Pereira De Araujo | The Energy-Poverty-Climate Nexus in Tropical Colombia                                                                               |
| IAEE2026461 | Luis Fernandez Intriago         | Environmental Policies and Informality: The Case of Mexico                                                                          |
| IAEE2026470 | Kun Queena Qian                 | Institutional Access and Participation in Energy Efficiency Policy: Evidence from Residential Retrofit Decisions in the Netherlands |
| IAEE2026534 | Ngawang Dendup                  | Incentives to Electricity Conservation and Impact on Household: Evidence from Field Experiment                                      |

# CENTRO EXTENSION ALAMEDA

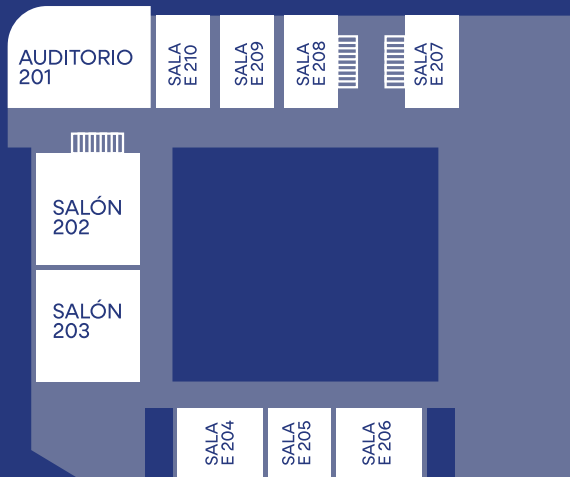
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## 2<sup>ND</sup> FLOOR

AV. LIBERTADOR BDO. O'HIGGINS



MARCOLETA



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