



2nd LATAM MEETING ON GREEN AMMONIA AND POWER-TO-X

JANUARY 8, 9, and 10, 2025

Anacleto Angelini Innovation Center,
San Joaquín Campus

08 JANUARY | Wednesday

8:30 - 9:00	Coffee bienvenida
9:00 - 9:10	Palabras Autoridades
9:10 - 9:30	Bienvenida Director de MIGA, Mauricio Isaacs
9:30 - 12:45	BLOCK 1. Sustainable Ammonia Synthesis Processes and Power-to-X
Bill David (Professor at the Chemistry Department in Oxford University, UK). "Chile and its key role in the global green ammonia infrastructure (plenary)".	
James O'Shea (Associate Professor at the University of Nottingham UK). "Near-ambient pressure XPS for in-situ studies of catalytic surfaces".	
Coffee break	
Mauricio Isaacs (Full Professor at UC and Director at MIGA, Chile). "Electrochemical Ammonia Synthesis: Challenges and Opportunities".	
Luis Francisco Sanchez "Amorphous Silicon Carbide Thin Films with Aluminum as Photocathodes for Green Ammonia Production".	
Iván Cornejo "On the use of bifunctional catalyst for materials production from green hydrogen via ammonia".	
Q&A	
12:45 - 14:15	Lunch
14:15 - 17:30	BLOCK 2. Corrosion, Combustion, and Wear
Poster Session	
Gerardine Botte (Professor at the Texas Tech University, United States). "to be defined".	
Roberto Canales (Assistant Professor of Engineering at UC, Chile). "CO2 capture and its role in the ammonia value chain".	
Mario Toledo "Combustión de amoníaco metano en un reactor de medios porosos".	
José Alarcón "Challenges in simulation of ammonia diesel combustion in dual-fuel heavy-duty engines".	
Q&A	
Closing remarks Day 1	

09 JANUARY | Thursday

8:30 - 9:00	Coffee bienvenida
9:00 - 9:10	Bienvenida Director de MIGA, Mauricio Isaacs
9:15 - 13:05	BLOCK 3. Uses and Applications of Ammonia, Hydrogen, and Other Vectors
Elena Pastor (Professor at Universidad de La Laguna, Spain). "Materials for Electrochemical Hydrogen Production".	
Liliana Moggi/Loreto Troncoso (Associate Researcher, Bariloche Atomic Center). "Advances in the development of materials for ammonia-co fuel cells: a Chilean-Argentine collaboration for the Southern Region".	
Eduardo Peralta (Copec)	
Coffee break	
Elvis Medina "Catalytic Decomposition of Ammonia: Effect of the Cobalt-Nickel Molar Ratio on Hydrogen Production".	
Braun Díaz "Numerical and Experimental Study of the Role of Ammonia Decomposition in the Operation of Ammonia Fueled DA SOFCs".	
María Agustina Ravotti "Analysis of Hydrogen Use and the Role of Oxygen Enrichment in the Ceramic Industry: Emissions and Economic Feasibility Based on Experimental Data".	
Q&A	
13:05 - 14:35	Lunch
14:35 - 18:30	BLOCK 4. Ammonia Economy and Other Energy Vectors
Poster Session	
Emilio Nieto (General Manager at National Hydrogen and Fuel Cell Technology Experimentation Center (CNH2), Spain). "CNH2 y su proyecto Arenha".	
Lindley Maxwell (Principal Investigator Energy CICITEM). "to be defined".	
Zachary Schultz (Professor of Chemistry at the Ohio State University, United States). "Plasmonic nanomaterials for photo-electrocatalysis".	
Cristian Araya "Regulatory Challenges of Green Ammonia".	
Federico Del Mondo "Assessment of key performance indicator in green hydrogen valleys".	
Q&A	
Closing remarks Day 2	

10 JANUARY | Friday

8:30 - 9:00	Coffee bienvenida
9:00 - 9:10	Bienvenida Directora Ejecutiva de MIGA, Pamela Delgado
9:10 - 12:50	BLOCK 5. Ammonia as Fuel: Potential and Challenges
to be defined	
Bill David (Professor at the Chemistry Department in Oxford University, UK). "Ammonia to Power (industry)".	
Coffee break	
Álex Santander (Head of Strategic Planning and Sustainable Development, Ministry of Energy, Chile). "Decarbonization Plan and Challenges in Power Plant Conversion and Transition Fuels".	
Guacolda Energía "Cofiring Project at Guacolda Power Plant".	
Wolfram Jahn (Professor at UC and MIGA researcher). "Technological Challenges of Ammonia Combustion".	
to be confirmed	
Round Table	
12:50 - 14:20	Lunch
14:20 - 18:10	BLOCK 6. Impulsando la transición energética: El desarrollo de la industria del amoníaco verde en Chile *enviar en inglés
MAE	
HNH	
GIZ	
Mayekawa	
Round Table	
Closing remarks	
Cocktail	

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