

ECET Summit April 22, 2025 Energy Growth & Decarbonization

Time	Topic	Speakers & Moderators
8:00 - 8:50 AM	Breakfast	Breakfast and Registration
9:00 AM	Introduction	Dr. Marsha H. Ershaghi Senior Advisor Tapestry Networks, Independent Board Member, Adjunct Professor of Management and Organization, USC
9:05 AM	ECET in 2024	Dr. Iraj Ershaghi Executive Director ECET, Omar B. Milligan Chair & Director of the Petroleum Engineering Program, USC
9:10 AM	Energy Engineering	Dr. Andrea Hodge Fluor Professor in Engineering & Chemical Engineering, Materials Science, & Aerospace & Mechanical Engineering, USC
9:20 AM	Looking Ahead	Dr. Yannis C. Yortsos Zohrab A. Kaprielian Dean's Chair in Engineering & Chester Dolley Professor of Chemical & Petroleum Engineering, USC
9:30 AM	AI and Energy Requirements	Dr. Massoud Pedram Charles Lee Powell Professor of Electrical Engineering and Computer Science, USC Moderator: Dr. Donald Paul Executive Director, Energy Institute & William M. Keck Professor of Energy Resources & Research Professor of Engineering, USC
10:00 AM		Francisco Leon President & CEO California Resources Corporation
10:10 AM	A New Energy Path for the 21 st Century	Dr. Scott Tinker CEO Energy Corps, Chairman Switch Energy Alliance, CEO Tinker Energy Associates, Director Emeritus Bureau of Economic Geology Moderator: Francisco Leon President & CEO California Resources Corporation

10:40 AM	BREAK	
	Group Speaker Photo	All speakers gather at front for a group photo.
11:00 AM	The Role of International Energy Companies in Energy Transition	<p>Musabbeh Al Kaabi Chief Executive Officer, Upstream, ADNOC</p> <p>Moderator: Dr. Marsha H. Ershaghi</p>
11:30 AM	Energy Resource Investments	<p>Mr. Brian Singer Managing Director, Global Head GS SUSTAIN, Goldman Sachs</p> <p>Moderator: Mr. Gary Buntmann Executive Chairman, Co-founder Crimson Resource Management</p>
12:00 PM	ECET Awards: Daneshy Award Fissell Award	<p>Mr. Gary Buntmann</p> <p>Marisa Hamsik General Manager, Strategy & Market Insights for Offsets & Emerging Technologies Chevron New Energies</p> <p>Dr. Iraj Ershaghi</p>
12:30 PM	Lunch Buffet	
12:30-1:30PM	Poster Session	<p>Dr. Fokion Eglafopoulos William E. Leonhard Professor of Engineering, Aerospace & Mechanical Engineering, USC</p> <p>Dr. Stephen B. Cronin Professor of Electrical & Computer Engineering, USC</p> <p>Dr. Aiichiro Nakano Professor of Computer Science, Physics & Astronomy, & Biological Sciences, USC</p> <p>Dr. Zhenglu Li Assistant Professor of Chemical Engineering & Materials Science, USC</p> <p>Dr. Brent Melot Associate Professor of Chemistry & Chemical Engineering & Materials Science, USC</p> <p>Dr. Behnam Jafarpour N.I.O.C Fellow & Professor of Chemical Engineering & Materials Science, Electrical & Computer Engineering, Civil & Environmental Engineering, USC</p>

Dr. Birendra Jha

Associate Professor of Chemical Engineering & Materials Science & Civil & Environmental Engineering, USC

Dr. Kristian Jessen

Professor of Chemical Engineering & Materials Science, USC

Dr. Jay H. Lee

Choong Hoon Cho Chair & Professor of Chemical & Materials Science, Aerospace & Mechanical Engineering, Electrical & Computer Engineering, & Industrial & Systems Engineering, USC

Dr. Theo T Tsotsis

Robert E. Vivian Chair in Energy Resources & Professor of Chemical Engineering & Materials Science Professor of Chemical Engineering & Materials Science, USC

Dr. Surya Prakash

George A. & Judith A. Olah Nobel Laureate Chair in Hydrocarbon Chemistry & Professor of Chemistry & Chemical Engineering & Materials Science, USC

1:30 PM

Subsurface Carbon Dioxide Injection

Dr. Jay H. Lee**Dr. Behnam Jafarpour**

N.I.O.C Fellow & Professor of Chemical Engineering & Materials Science, Electrical & Computer Engineering, Civil & Environmental Engineering, USC

Dr. Akhil Datta-Gupta

Regents Professor, University Distinguished Professor and Peterson '36 Chair, Petroleum Engineering Texas A&M University

Moderator: Ms. Elena Melchert

President of Energia Consulting LLC

2:15 PM

Role of Hydrogen

Dr. Christine Ehlig-Economides

Professor, Hugh Roy & Lillie Cranz Cullen Distinguished University Chair, University of Houston

Mr. Amer Khan

Expert Reservoir Engineer at Pacific Gas & Electric Company

Dr. Steve Nutt

Professor, Department of Chemical Engineering and Materials Science, USC

Moderator: Dr. Eric R. Upchurch

Chevron Fellow and Sr. Principal Advisor

3:00 PM

Break

3:15PM

Decarbonization

Dr. Arthur (Trem) Smith

Managing Partner, TS&J Energy

Ms. Denise Owusu

Decarbonization Manager, Motive Power Inc

Mr. Mark Ver Hoeve

President, Quandary Geoscience LLC

Moderator: Dr. Donald Paul

Executive Director, Energy Institute & William M. Keck Professor of Energy Resources & Research Professor of Engineering, USC

4:00PM

Developing Inclusive STEM Pathways: Inspiring the Next Generation of Innovators

Mr. Warner Williams

CEO, Warner M. Williams LLC

Jim Crompton

Reflections Data Consulting LLC

Mr. Mike Hauser

OpsPathways, LLC

Moderator: Mr. Lamont Hames

CEO, LMH Strategies, Inc

4:50pm

Wrap Up and Closing

Dr. Marsha H. Ershaghi