AI × ENERGY SUMMIT

Venue: Tula Community Center, San Diego State University
Address: 5110 East Campus Drive, San Diego, CA 92115

Innovate. Inspire. Connect.

DATE & LOCATION
March 19–20, 2026
San Diego, California

HOSTED BY
The Cai Li & Daniel Chang Center

A premier two-day event uniting researchers, developers, engineers, and industry leaders in AI, power electronics, and energy, with a focus on AI data center power solutions and solid-state transformers.

SUMMIT HIGHLIGHTS

- **Speakers**: Members of the National Academy of Engineering; CEOs; Senior Executives
- **Program**: Keynotes; Panels; Poster Sessions; Networking Opportunities
- **Themes**: Data Center Power; AI-Driven Energy Solutions; Solid-State Transformers
- **Awards**: Best Poster Award; Young Scientist Award; Top Influencer in AI Energy Award

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ai-energy.sdsu.edu

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Schedule at a Glance

March 19, 2026

08:30 – 09:00	Opening Ceremony
09:00 – 10:30	Plenary Session
10:30 – 11:00	Networking Coffee Break / Poster Viewing
11:00 – 12:00	Panel #1: Is a solid-state transformer the solution?
12:00 – 13:00	Networking Lunch / GAIE Dedication / Poster Viewing
13:00 – 15:00	Plenary Session
15:00 – 15:30	Networking Coffee Break / Poster Viewing
15:30 – 16:45	Panel #2: Energy for AI
16:45 – 18:00	Panel #3: Energy Innovations for an AI Era
18:00 – 18:30	Break
18:30 – 20:30	Banquet / Awards Ceremony

March 20, 2026

08:30 – 09:00	Recap of Day 1
09:00 – 10:30	Plenary Session
10:30 – 11:00	Networking Coffee Break / Poster Viewing
11:00 – 12:00	Panel #4: Fusion for Data Centers: What Would It Take?
12:00 – 13:00	Networking Lunch / Poster Viewing
13:00 – 14:00	Plenary Session
14:00 – 15:15	Panel #5: AI in Energy Conversion and Power Networks
15:15 – 15:30	Networking Coffee Break / Poster Viewing
15:30 – 16:30	Plenary Session
16:30 – 17:45	Panel #6: Build an Engineering Research Center in AI Energy
17:45 – 18:00	Closing

March 19, 2026

08:30 – 09:00:	**Opening**
Chair:	**Chris Mi**, Distinguished Professor, San Diego State University
Guest:	**Daniel Haiming Chang**, Former CEO, AEM Components
09:00 – 10:30:	**Plenary Session**
Chair:	**Susan Linwood**, CEO, Novos Power Inc.
Speakers:	**Hao Huang**, Member, National Academy of Engineering Distinguished Adjunct Professor, University of Houston *Title: Maximize the Potential of Transformer-Based Deep Learning in Power Energy Engineering*
	Anna Stefanopoulou, Distinguished Professor, University of Michigan *Title: Field Deployed Diagnostics and Condition-Based Maintenance of Battery Assets in Grid-Connected Data Centers*
	Chris Mi, Distinguished Professor, San Diego State University *Title: Megawatt Medium-Voltage Power Conversion for AI Data Centers*
10:30 – 11:00:	**Networking Coffee Break / Poster Viewing**
11:00 – 12:00:	**Panel #1: Is a solid-state transformer the solution?**
Chair:	**Ted Bohn**, Argonne National Lab
Panelists:	**Vipin Bothra**, Vice President, Navitas Semiconductor
	Cheng Wang, CEO, Xenerpower
	Susan Linwood, CEO, Novos Power
	Fernando Palma, Program Manager, DOE
	George Santamaria, Director of Power Systems, RockeTruck
12:00 – 13:00:	**Networking Lunch / GAIE Dedication / Poster Viewing**
Dedication:	Global Alliance for AI Energy (GAIE)
13:00 – 15:00:	**Plenary Session**
Chair:	**Chris Mi**, Distinguished Professor, San Diego State University
Speakers:	**Marija Ilić**, Member, National Academy of Engineering, Distinguished Adjunct Professor, Massachusetts Institute of Technology *Title: System integration of large data centers: Problems and opportunities*

	Thomas Schuldt, Vice President, DG Matrix *Title: How Behind-the-Meter Generation Using Multi-port Solid-State Transformers is Reshaping Speed, Resiliency, and Future-proofing for AI Data Centers*
	Salim Youssefzadeh, CEO, WattEV *Title: Solid-State Transformers as Enabling Infrastructure for Megawatt Charging and AI*
	George Santamaria, Director of Power Systems, RockeTruck *Title: A Common Set of Power Electronics Building Blocks for Solid-State Transformers and AI Data Centers*
15:00 – 15:30:	**Networking Coffee Break / Poster Viewing**
15:30 – 16:45:	**Panel #2: Energy for AI**
Chair:	**Ping Liu**, Professor, UCSD, and Former Program Director, DOE ARPA-E
Panelists:	**Sean Hauze**, Chief Operating Officer, SDSU
	Dinghuan Zhu, FOVA Energy
	Habib Maiga, Manager, SDGE
	Saeed Manshadi, Associate Professor, SDSU
	Tong Huang, Assistant Professor, SDSU
16:45 – 18:00:	**Panel #3: Energy Innovations for an AI Era**
Chair:	**Lingping Kong**, Assistant Professor, San Diego State University
Panelists:	**Ching-Ming Lai**, Distinguished Professor, National Chung Hsing University
	Greg Stover, Global Director, Vertiv
	Shyue Ping Ong, Provost's Chair Professor, National University of Singapore
	Tim Lin, CEO, Solid Energies
	Junbo Zhao, Todd M. Cook and Elizabeth Donohoe Cook Associate Professor, Dartmouth College
18:00 – 18:30:	**Break**
18:30 – 20:30:	**Banquet / Awards Ceremony**

Congratulations to Our Award Winners!

March 20, 2026

08:30 – 09:00:	Recap of Day 1
Chair:	**Chris Mi**, Distinguished Professor, San Diego State University
09:00 – 10:30:	**Plenary Session**
Chair:	**Tong Huang**, Assistant Professor, San Diego State University
Speakers:	**Longya Xu**, Member, National Academy of Engineering Professor Emeritus, Ohio State University *Title: Smart Data Center Power and AI/Machine Learning*
	Peter Panfil, Distinguished Engineer and VP, Vertiv *Title: Scale At Speed: How Massively Parallel Compute GPUs Are Revolutionizing Data Center Design*
	Wotao Yin, Director, Alibaba DAMO Academy *Title: From Years to Weeks: AI-Accelerated Optimization, Domain Decomposition, and AI Orchestration for Grid Projects at Scale*
10:30 – 11:00:	**Networking Coffee Break / Poster Viewing**
11:00 – 12:00:	**Panel #4: Fusion for Data Centers: What Would It Take?**
Chair:	**Moein Borghei**, Lead High Voltage Scientist, Avalanche Energy
Panelists:	**Maria Sushko**, Fusion Sector Lead, PNNL
	Javier Garay, Professor and Director, UCSD
	Brian S. Sammuli, Deputy Director for Advanced Computing, General Atomics
	Peter Panfil, Distinguished Engineer and VP, Vertiv
	Gregory Smedley, CEO, One Cycle Control
	John Sines, Principal Electrical Engineer, Lambda
12:00 – 13:00:	**Networking Lunch / Poster Viewing**
13:00 – 14:00:	**Plenary Session**
Chair:	**Lingping Kong**, Assistant Professor, San Diego State University
Speakers:	**Burak Ozpineci**, Section Head and Corporate Fellow, Oak Ridge National Laboratory *Title: AI/ML use in Power Electronics and Electric Motors*
	Jinjun Liu, Distinguished Professor, Xi'an Jiaotong University President, China Power Supply Society *Title: Magnetically Coupled Three-Phase-Module Based Converters and Their Applications in Solid-State Transformers*

14:00 – 15:15:	**Panel #5: AI in Energy Conversion and Power Networks**
Chair:	**Tong Huang**, Assistant Professor, San Diego State University
Panelists:	**Lei Chen**, Associate Professor, University of Michigan-Dearborn
	Di Shi, Distinguished Professor, New Mexico State University
	Yuanyuan Shi, Assistant Professor, UCSD
	Wotao Yin, Director, Alibaba DAMO Academy
	Keyue Smedley, Professor, University of California, Irvine
15:15 – 15:30:	**Networking Coffee Break / Poster Viewing**
15:30 – 16:30:	**Plenary Session**
Chair:	**Chris Mi**, Distinguished Professor, San Diego State University
Speaker:	**Don Tan**, Member, National Academy of Engineering, Vice President, IEEE *Title: Data center challenge: Powering the AI "manufacturing floor"*
	Charles Ku, CTO, AcBel *Title: Developments in Power Electronics and Power Supplies for AI Data Centers*
16:30 – 17:45:	**Panel #6: Build an Engineering Research Center in AI Energy**
Chair:	**Chris Mi**, Distinguished Professor, San Diego State University
Panelists:	**Fernando Palma**, Program Manager, DOE
	Anna Stefanopoulou, Distinguished Professor, University of Michigan
	Marija Ilić, NAE Member & Professor, MIT
	Ping Liu, Professor, UCSD, and Former Program Director, DOE ARPA-E
	Mario Harper, Professor and Director of Intelligent Systems & Security at the NSF ASPIRE ERC, Utah State University
17:45 – 18:00:	**Closing**

Mark Your Calendar for Next Year's

AI x ENERGY SUMMIT

March 29-30, 2027

San Diego, CA, United States

Congratulations to Our Award Winners!

Outstanding Young Scientist Award Recipients

Charalambos Konstantinou	King Abdullah University of Science and Technology
Haoran Li	Arizona State University
Lei Chen	University of Michigan-Dearborn
Mateo Daniel Roig Greidanus	Kansas State University
Naser Vosoughi Kurdkandi	Novos Power Inc.
Susie Choi	DG Matrix
Xiaofan Cui	University of California, Los Angeles
Zhi Cao	Novos Power Inc.

Top Influencers in AI Energy Award Recipients

Adel El-Shahat	Old Dominion University
Hao Huang	University of Houston
Junbo Zhao	Dartmouth College
Le Xie	Harvard University
Shyue Ping Ong	National University of Singapore
Thomas Schuldt	DG Matrix

Congratulations to Our Award Winners!

Best Poster Award Recipients

Sponsored by DG Matrix



DG MATRIX

Seyi Josiah Fanifosi, New Mexico State University, USA: Uncertainty-Aware Deep Reinforcement Learning for Robust Autonomous Voltage Control

Shu-Ting Ko, San Diego State University, Towards High-Energy and High-Power Density Solid-State Li-O2 Batteries

Ching-Ming Lai, National Chung Tsing University, Taiwan, Novel Modularized Split-Planar Ferrite Structure for Next-Generation High-Power-Density Solid-State Transformers

Dr. Hua Zhang, Lehigh University, USA: Data Center Power Supply: Planar Transformer Enabled 380V-to-48V LLC Converter

Yang Du, James Cook University, Australia: Reducing Renewable Uncertainty: A Roadmap Using Storage, Forecasting, and Control

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