AI × ENERGY

SUMMIT

2026

Innovate. Inspire. Connect.

DATE	LOCATION	HOST
March 19-20, 2026	San Diego, CA	Cai Li & Daniel Chang Center

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

SUMMIT HIGHLIGHTS

Members of National Academy of Engineering	CEOs, CTOs, Presidents
Keynote Sessions, Panel Discussions	Data Center Power
Poster Sessions and Best Poster Award	Young Scientist Award
Top Influencers in AI Energy Award	AI & Energy Solutions

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2026 AI x Energy Summit
Schedule at a Glance

March 19, 2026

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

March 20, 2026

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

Detailed Program

March 19, 2026

8:30 – 9:00 AM: **Opening**

Chair: **Chris Mi**, Distinguished Professor, San Diego State University

Susan Linwood, CEO, Novos Power

9:00 – 10:30 AM: **Plenary Session**

Chair: **Chris Mi**, Distinguished Professor, San Diego State University

Speakers: **Anthony Pugliese**, Chief Commercialization Officer, U.S. DOE
<mark>(Requested)</mark>

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*

10:30 – 11:00 AM: **Networking Coffee Break and Poster Session**

11:00 – 12:00 PM: **Panel #1: Is a solid-state transformer the solution?**

Chair: **Ted Bohn**, Argonne National Lab

Panelist: **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 PM **Networking Lunch / Poster Viewing**

Keynote: **Adela de la Torre**, President, San Diego State University

Dedication: Global Alliance for AI Energy (GAIE)

13:00 – 15:00 PM **Plenary Session**

Chair: **Susan Linwood**, CEO, Novos Power

Speakers: **Marija Ilić**, Member, National Academy of Engineering, Distinguished
Adjunct Professor, MIT
*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 PM	**Networking Coffee Break / Poster Viewing**
15:30 – 16:45 PM	**Panel #2: Energy for AI**
Chair:	**Ping Liu**, Professor UCSD and Former Program Director, DOE ARPA-E
Panelist:	**Sean Hauze**, Chief Operating Officer, SDSU
	Dinghua Zhu, FOVA Energy
	Habib Maiga, Manager, SDGE
	Saeed Manshadi, Associate Professor, SDSU
	Tong Huang, Assistant Professor, SDSU
16:45 – 18:00 PM	**Panel #3: Energy Innovations for an AI Era**
Chair:	**Lingping Kong**, Assistant Professor, San Diego State University
Panelist:	**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 PM	**Break**
18:30 – 20:30 PM	**Banquet / Awards Ceremony**

Congratulations to our award winers!

March 20, 2026

8:30 – 9:00 AM:	**Recap of Day 1**
Chair:	**Chris Mi**, Distinguished Professor, San Diego State University
9:00 – 10:30 AM:	**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 AM:	**Networking Coffee Break**
11:00 – 12:00 PM:	**Panel 4: Fusion for Data Centers: What Would It Take?**
Chair:	**Moein Borghei**, Lead High Voltage Scientist, Avalanche Energy
Panelist:	**Maria Sushko**, Fusion Sector Lead, PNNL
	Javier Garay, Professor and Director, UCSD
	Brian S. Sammuli, Director, General Atomics
	Peter Panfil, Vice President, Vertiv
	Gregory Smedley, CEO, One Cycle Control
	John Sines, Principal Electrical Engineer, Lambda
12:00 – 13:00 PM	**Networking Lunch**
Speaker:	**Don Tan**, Member, National Academy of Engineering, Vice President, IEEE
13:00 – 14:30 PM	**Plenary Session**
Chair:	**Lingping Kong**, Assistant Professor, San Diego State University
Speakers:	**Burak Ozpineci**, 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*

Charles Ku, CTO, AcBel
Title: Developments in Power Electronics and Power Supplies for AI Data Centers

14:30 – 15:00 PM	**Networking Coffee Break**
15:00 – 16:15 PM	**Panel 5: AI in Energy Conversion and Power Networks**
Chair:	**Tong Huang**, Assistant Professor, San Diego State University
Panelist:	**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
16:15 – 17:30 PM	**Panel #6: Build an NSF Engineering Research Center in AI Energy**
Chair:	**Chris Mi**, Distinguished Professor, San Diego State University
Panelist:	**Anna Stefanopoulou**, Distinguished Professor, University of Michigan
	Marija Ilić, Professor and NAE Member, MIT
	Ping Liu, Professor UCSD and Former Program Director, DOE ARPA-E
	Regan Zane, Professor and ASPIRE ERC Director, Utah State University
17:30 – 18:00 PM	**Closing**

Mark Your Calendar for Next Year's

AI x Energy Summit

March 29-31, 2027 (Tentative)

San Diego, CA, United States

Congratulations to our award winers!

Outstanding Young Scientist Awardees:

Top Influencers in AI Energy:

Best Poster Awardees (Names Announced at the Banquet).

Thank you to our sponsors!

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