

AI x Energy Summit At SDSU: Solid-State Transformers, Data Center Power And The Future Of Clean Energy

San Diego State University will host the 2026 [AI x Energy Summit](#) in San Diego on March 19–20, 2026, bringing together researchers and practitioners working at the intersection of AI, power electronics, and clean energy—with a specific focus on emerging demands of AI-era data center power and the enabling role of solid-state power conversion and protection. The summit also offers an optional technical tour focused on battery energy storage.

The summit is designed to connect “algorithm to amperes” discussions—linking AI-driven planning, operations, and optimization with the hardware realities of grid interconnection, high-power conversion, thermal management, and energy storage. The program highlights two complementary thrusts: (1) AI in clean energy and (2) clean energy for data centers, including topics such as power supplies and solid-state transformers.

Program highlights include plenary content, structured networking, and panel discussions that tackle timely engineering and deployment questions. Planned panel themes include solid-state transformers; clean energy for AI data centers; megawatt charging; nuclear fusion (or hydrogen); how AI can accelerate clean-energy R&D, manufacturing, and deployment; and what it takes to build an NSF Engineering Research Center in AI Energy.

A poster session is scheduled on day 1 (16:30–18:30), paired with a guided campus/laboratory tour. The summit will also host an awards ceremony recognizing Best Poster Awards, Outstanding Young Scientist Awards, Top Leaders in AI, and Top Influencers in AI Energy.

An optional technical tour is planned for March 21, 2026 (the day after the conference), including a second-life EV battery energy storage system paired with solar and a new 500-kWh/550-kW battery energy storage system.

The summit will be held at the Tula Community Center, 5110 East Campus Drive, San Diego, CA 92182. Lodging suggestions include downtown San Diego, Mission Valley, or near campus, with convenient access to SDSU via the MTS Green Line Trolley.

The summit welcomes sponsor participation and provides sponsor packages. Interested organizations can contact the conference chair via the event website.

Learn more at the AI x Energy Summit [website](#) or see the [program at a glance](#), [registration](#), [sponsors](#), or [awards](#) pages.