CES Panelist Information

Panel 1: Earth to Energy: Reimagining the Future of Energy Resilience

This conversation will examine how the U.S. energy industry is keeping up with skyrocketing demand, and what the future of the battery supply chain should look like to ensure energy security and independence.

Tuesday at 2 p.m. in the Stryten Energy booth.

Panelists will include:

- Eric Hsieh, Deputy Assistant Secretary for Energy Storage, U.S. Department of Energy Office of Electricity
- Dr. Vick Singh, Senior Vice President of Technology of Dragonfly Energy
- Scott Childers, Vice President of Essential Power of Stryten Energy

Panel 2: Scaling Energy: Myths, Microgrids and the Race for Resilience

This conversation will focus on the current and future power demands on U.S. grid infrastructure, and what the energy ecosystem should look like to solve the challenges of energy resilience.

Wednesday at 11 a.m. in the Stryten Energy booth.

Panelists will include:

- Dr. Erik Spoerke, Materials Scientist, Battery Materials Lead in DOE Sandia National Laboratories
- Dr. Vick Singh, Senior Vice President of Technology of Dragonfly Energy
- Scott Childers, Vice President of Essential Power of Stryten Energy

Scott Childers

Vice President of Essential Power
Stryten Energy

Scott Childers is Vice President, Essential Power division of Stryten Energy. In this role, he is responsible for growing the company's energy solutions and new technology offerings. He champions clean, renewable energy opportunities for Stryten and actively works with utilities and original equipment manufacturers to deploy long-duration, sustainable energy storage solutions.

Mr. Childers spent more than 15 years in the automotive industry, working for General Motors and its subsequent spin-off Delphi Automotive where he served in a variety of capacities in engineering, operations and other leadership roles. Concurrent with his time at GM, he served in the U.S. Army as a commissioned officer. First as a platoon leader in an Army National Guard Transportation Unit, and a final tour as an officer and engineer with Wright Patterson Airforce Base Civil Engineering Department.

Childers is the Chairman of the Flow Battery Industry Group, an industry group formed by Battery Council International. The industry group's initial mandate is to bring together flow battery manufacturers and suppliers to develop approaches to address key common issues facing the industry, including testing, safety and industry statistics.

Eric Hsieh

Deputy Assistant Secretary, Energy Storage
U.S. Department of Energy Office of Electricity

Eric Hsieh is the Deputy Assistant Secretary for Energy Storage in the U.S. Department of Energy's (DOE) Office of Electricity (OE), where he leads efforts to accelerate the next generation of energy storage technologies that deliver reliability, resilience, economic, and efficiency benefits. Mr. Hsieh also co-chairs the crosscutting Energy Storage Grand Challenge, which coordinates departmental priorities such as the Long-Duration Storage Energy Earthshot.

He is an energy policy, financial, and engineering thought leader with nearly 20 years of experience improving energy delivery through innovation. Prior to his current role, Mr. Hsieh was the Director of Grid Components and Systems within OE.

Dr. Vick Singh
Senior Vice President of Technology
Dragonfly Energy

As an accomplished energy technology professional, Dr. Vickram Singh has over 10 years of experience in various research functions within private and public sector firms. As the Senior Vice President of Technology and prior Director of Research & Development at Dragonfly Energy Corporation, he has been instrumental in overseeing the development of next-generation lithium-ion batteries and manufacturing processes and optimizing all-solid-state battery chemistries for deep-cycle applications. His expertise in chemical engineering and materials science has enabled him to build a dedicated and highly advanced Research & Development team from the ground up and manage a team of scientists and engineers across various disciplines.

Before joining Dragonfly Energy Corporation, Dr. Vick Singh was a Postdoctoral Research Fellow at the Lawrence Livermore National Laboratory's Center for Global Security Research. His research focused on international nuclear energy development and its impact on nonproliferation policy. His work has been published and presented in multiple scientific reports on electrochemical techniques and their measurement uncertainties. Dr. Singh also served as a Nuclear Regulatory Commission Fellow during his Ph.D. studies at the University of Nevada, Reno.

Dr. Singh's academic achievements include a Ph.D. in Materials Science & Engineering from the University of Nevada, Reno. He investigated the deployment of electroanalytical and spectroscopic techniques for nuclear material monitoring in molten salt systems utilized in the domestic nuclear weapons complex and Generation IV nuclear fuel cycles. He also holds a BS in Chemical Engineering from the University of Tennessee, Knoxville.

Dr. Erik D. Spoerke
Senior Analytics Advisor for Energy Storage
U.S. Department of Energy

Erik D. Spoerke, Ph.D. is the Senior Analytics Advisor for Energy Storage in the U.S. Department of Energy's Office of Electricity. Prior to this role, he was the Energy Storage Materials Lead in Sandia National Laboratories' Grid Energy Storage Program, and he maintains his role as a Distinguished R&D Materials Scientist in the Energy Storage Technologies and Systems Department at Sandia.

Though he has a broad, widely published background in multidisciplinary materials science, Erik has a passion for energy-related research and has been an active advocate for a wide range of battery systems and other energy storage technologies, particularly for grid-scale and long-duration applications.

He recently served on the U.S. Department of Energy's Energy Storage Grand Challenge National Laboratory Coordination Team, co-leading the Technology Transitions Track National Laboratory working group. He has been an active energy storage educator and organizer of energy storage events, including a webinar series on Energy Storage as part of the U.S-India Strategic Clean Energy partnership. He continues to seek opportunities to connect technical innovation with market needs and priorities toward reliable, sustainable domestic grid-scale energy storage deployment.