

# ENERGY STORAGE STUDIO

## 2017 ENERGY STORAGE TECHNOLOGY CONFERENCE

*A collaboration between*

*Energy Storage Association & Electric Power Research Institute*

November 14-15  
THE WESTIN CLEVELAND DOWNTOWN  
Cleveland, OH



# Call for Submissions

## About STUDIO

Energy Storage STUDIO is an event covering the advancement and integration of technology to support electric service. Unlike any other conference, Energy Storage STUDIO brings together utilities, technology developers, and other stakeholders in an engaging environment of expert technical education and peer-to-peer idea exchange. The conference's mission is to convene technology leaders to accelerate energy storage solutions that support a clean, resilient, safe, and affordable grid.

Energy Storage STUDIO is a collaboration between the Energy Storage Association (ESA) and the Electric Power Research Institute (EPRI). ESA's mission is to promote the adoption of competitive and reliable energy storage systems for electric service. EPRI's mission is to bring together scientists, engineers, and other industry stakeholders to help address challenges related to electricity.

## Conference Format

The Energy Storage STUDIO Conference will feature guest speakers and panel discussions; however, the focus of the conference will be facilitated poster presentations. While conference organizers may ask a submitter to appear on a panel discussion, this call for submissions will only gather abstracts for poster presentations not individual presentations or panel discussions.

Each Energy Storage STUDIO session (approx. 2 hours) will consist of three parts:

- **Educational presentation or panel discussion from guest speakers**  
At the beginning of each session, attendees will be seated to listen to an educational presentation or panel discussion, which will contain objective technical education on the session topic area. The presentations or panels will provide context for discussion of more specific technical challenges and advancements.
- **Short topic introductions by poster presenters**  
This portion of the session will shift toward highlights of specific work underway by presenting attendees. These presenters will provide short "pitches" of their work to the general audience.
- **Facilitated poster session, which includes in-depth, intimate discussion and networking**  
The audience will leave their seats for the facilitated poster session. Presenters may use posters, computer screens, or physical models at a designated table. In addition to the poster, content may also be presented as software, video, slide show, handouts, or physical models. Conference organizers will provide tables, poster board and push pins, but presenters will be responsible for printing their own posters and providing any other necessary A/V equipment.

## Session Topics

All submitters must choose a session topic. Incomplete submissions will not be considered for review.

### Session Topic 1: Modeling and Analysis of Energy Storage Value and Grid Impacts

This session will cover the motivation and quantification of benefits and costs for energy storage. It will especially focus on the incorporation of storage valuation into the planning and operations of electric utilities and system operators.

Example topics for this session may include, but are not limited to:

- Analyses of storage value with grid modeling
- Quantification of storage capacity contribution
- Demonstrations or pilots with data on storage value
- Minimizing total cost of ownership
- Software or novel methodologies for utility planning and operating of storage to maximize system benefits
- Quantification of greenhouse gas emissions impacts

### Session Topic 2: Deployment and Field Experience – Customer Sited

This session will cover a variety of topics related to storage located at residential or C&I customers. It will examine approaches to safe, reliable and valuable solutions that may benefit customers, utilities and society.

Example topics for this session may include, but are not limited to:

- Customer microgrids
- Storage integrating with other distributed resources: solar, DR, electric vehicles
- Advanced demand response programs and technologies
- Wholesale market participation with customer-sited storage
- Ownership structures for utility usage of customer-sited storage

### Session Topic 3: Deployment and Field Experience – Utility Integration

This session will cover a variety of topics related to electric utility-led efforts to deploy and integrate energy storage systems that are safe, reliable and cost-effective.

Example topics for this session may include, but are not limited to:

- Utility case studies
- Technical-related procurement lessons learned
- Installation and commissioning
- Protection design and testing
- Safety and Codes, Standards, and Regulations (CSRs)
- Utility communication and control integration

## Session Topic 4: Advancements in Energy Storage System Technologies

This session will cover advancements made in energy storage system technology including component research and complementary technologies that may facilitate improved system performance, safety, reliability or cost. Technologies with demonstrable technical maturity with test data are preferred.

Example topics for this session may include, but are not limited to:

- Lab data and test results
- Technologies with improved energy density
- Low cost technologies
- Failure modes, safety, and degradation
- Power conversion system advancements
- Battery and system management software
- Thermal management systems
- Containerization and packaging

## Submission Policies

1. All content must be technical in nature and for educational purposes only. **Sessions that are based upon marketing or advertisement of products or services will NOT be accepted into the program.** Submissions providing credible data and other evidence will be viewed favorably.
2. The presenter must accept full responsibility for the submission and presentation of the abstract, and retain full copyright of their abstract, presentation and/or full paper. By submitting an abstract, the submitter consents and authorizes the Energy Storage Association (ESA) and the Electric Power Research Institute (EPRI) to publish biography and abstract information in any conference publications. ESA will seek the presenter's permission separately for authorizing the publication of the presentation.
3. Once your abstract has been submitted, you may continue to revise it up to the submission deadline. You will have the option to save and return to your abstract, abstracts will not be reviewed unless they have been submitted by the deadline.
4. Late submissions will not be considered. ESA reserves the right to reject any abstracts for failure to comply with submission guidelines. Due to the large number of abstracts received for this conference, ESA is unable to provide feedback on abstracts not accepted for the program.

## Applicant Responsibilities

1. Notify event organizers at [education@energystorage.org](mailto:education@energystorage.org) of any changes, additions and/or corrections in presenter, presentation title, or availability of presenters to give a presentation at the appointed date and time.
2. Accepted presenters who are not able to attend the conference must notify staff immediately. Replacement presenters may be suggested; however, the ESA reserves the right to modify or cancel any session based on a change in presenter.
3. Failure to meet these requirements will jeopardize your participation as a presenter at any future Energy Storage STUDIO Conference or other ESA programs.
4. All speakers must be registered for the Energy Storage STUDIO Conference by **October 9**. Presenters who are not registered by this date may be replaced.

## Step by Step Submission Guide

All abstracts must be complete, comprehensive, and deemed relevant and timely to the Conference's audience. **We are only collecting poster submission in this system; however, all submissions will be considered for a panel or individual presentation. Most of the content for the STUDIO Conference will be in the form of facilitated posters and networking.** Submissions may be combined with other proposed submissions for a session at the sole discretion of the Review Committee.

### Step 1: Log in to the Submission Scorecard

Either create a New Submitter or enter your previous Email Address and ACCESS KEY. If you have already logged in, this information will auto populate.

### Step 2: Create an Account Profile

*(If visiting for the first time)*

Personal Details

Mailing Address

Contact Details

Administrative Assistant (if applicable)

Professional Information

### Step 3: Read Submission Guidelines

Click on [2017 STUDIO Call for Papers](#) link at the bottom of the page to review the submission guidelines prior to submitting.

### Step 4: Start a Submission

- Click on ***Click here to begin a new Submission***
- Enter Submission Title: This should provide information about the nature of the presentation and its topic.
- Click Continue.

### Step 5: Enter Speaker Information

You will need to enter/confirm presentation speaker information. If you are submitting for another person, please put the actual speaker's information in and not your information. You may submit more than one speaker but the ESA will reserve the right to limit the number of speakers/presenters that participate.

- Enter the speaker's First Name, Last Name, and Email.
- Click on Add Speaker.
- Then click on the Speakers' name to add the detail about the Speaker. You will not be able to complete the submission process without adding speaker bio data.
- Personal Details *(required)*
- Mailing Address *(required)*
- Contact Details *(required)*
- Administrative Assistant, if applicable (You can also indicate another person who is authorized to be copied on emails to you about the conference.)
- Professional Information *(required)*
- Bio *(required)*
- Click on Continue.
- Upload photo (or opt out)
- Click Continue

- Add additional speakers, as needed.
- When completed, click on Save Speakers.

### Step 6: Enter Submission Information

- Please complete all the fields on the form.
- Submission Title
- Marketing Title (20 words max)
- Session Topic – Review session topics. Scroll down to select a session topic.
- Detailed Description (500 words maximum)
- Marketing Abstract (300 characters) – Please provide a short description of your submission that can be used on marketing materials and website.
- Speaker presenting history (500 words max) – This should include background on the speakers’/presenters’ history presenting at other conferences.
- When completed, click Continue.

### Step 7: Submit Your Proposal

- If you see green check marks on Speaker Information and Submission Information, you are ready to submit. If not, go back to provide all necessary information.
- Click Next.
- To preview your submission, “Click here for a preview of your submission.”
- If everything is correct, click Submit.
- *Please note that you may continue to edit your submission up until the close of the Call for Submissions on July 31, 2017.*

### Step 8: Submit Another Proposal

If you have an additional proposal to submit, complete steps 4-7 for each new proposal. If you are done, log out or simply close the browser.

## Important Dates to Remember

June 28	Energy Storage STUDIO Call for Papers Open*
July 31	Energy Storage STUDIO submission deadline
August 4-29	Submission reviews
September 11	All Submitters notified of decision
September 18	All accepted submitters must confirm their acceptance and intent to participate in Energy Storage STUDIO as a presenter and sign presenter agreement
October 2	Presenters must be registered for the conference
October 19	Discounted hotel rate cutoff
November 14-15	Energy Storage STUDIO (The Westin Cleveland Downtown)

