

WHEN

Thursday, June 15, 2017
1:30pm—5:30pm

WHERE

Chattanooga, TN
The Chattanooga Marriott
Downtown (Near the TVA
Office Complex)

COST

\$85.00 before May 15, 2017
\$125.00 after May 15, 2017
*Note: Committee Meeting
Attendees—included in
meeting fee*

REGISTRATION

<http://sites.ieee.org/pes-essb>

THE IEEE POWER AND ENERGY SOCIETY/
ENERGY STORAGE AND STATIONARY BATTERY COMMITTEE

Invites you to a special

ENERGY STORAGE TUTORIAL

Energy Storage is helping the electric grid reinvent itself, from allowing renewables and electric vehicles to interact with the bulk electric system to establishing distributed energy resources (microgrids, demand response) as well as improving in front of the grid reliability and providing capital deferral.



Make plans now to attend this 4-hour technical session to explore the exciting evolution in both Energy Storage System applications and technologies.



See Backside for Tutorial Agenda.



IEEE PES/ESSB COMMITTEE

TUTORIAL ON ENERGY STORAGE

Thursday, June 15, 2017 | 1:30 pm – 5:30 pm

Chattanooga Marriott Downtown Hotel, Chattanooga, TN

PROGRAM

Welcome – Curtis Ashton

- IEEE PES Outreach – Jeff Nelson, Past Chair, IEEE PES Technical Council
- ESSB Initiatives – Chris Searles, Chair, IEEE Energy Storage and Stationary Battery Committee

The Energy Storage Evolution – Babu Chalamala, Sandia National Laboratories

Major Application Areas for Energy Storage – Ray Byrne, Sandia National Laboratories

- In Front of the Grid Applications (e.g. frequency regulation, peak demand deferral, reliability)
- Behind the Meter Applications (e.g. demand response, load shifting, renewables integration)

Major Battery Technologies for Energy Storage

- Lithium batteries – Jim McDowall, Saft Americas
- Flow batteries – Vincent Sprenkle, Pacific Northwest National Laboratory
- Lead-acid batteries – Chris Searles, BAE Batteries USA
- Other technologies – Babu Chalamala, Sandia National Laboratories

AFTERNOON COFFEE BREAK

Interconnectivity of the Grid – Charlie Vartanian, Treasurer, SCC 21; Secretary, IEEE 1547

- The Impact of renewables, microgrids, DER
- The Role of IEEE 1547
- Effect of FERC 1000

Safety Codes that Affect Energy Storage – Randy Schubert, Telcordia

Join members and guests for the entire ESSB Committee Meeting and discover where you can fit in and join the discussion, as the IEEE Energy Storage and Stationary Battery Committee (IEEE ESSB) provides both technical and standards development leadership in the emerging Energy Storage field. Obtain the full details at <http://sites.ieee.org/pes-essb/>.