

Supersession

Grid Edge

Devices, Control, Applications, and System Operation
July 28, 8am-12 noon

Co-chairs:

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Andrey Bernstein, NREL, US, andrey.bernstein@nrel.gov

Part I	Panelists	Presentation
8:00 – 8:05	F. Milano & A. Bernstein	<i>Opening statement</i>
8:05 – 8:25	Babak Enayati , National Grid, US	<i>Distributed energy resources and energy storage are paving the way to grid modernization</i>
8:25 – 8:45	Jacob Østergaard and Charalampos Ziras , DTU, Denmark	<i>Flexibility from distributed resources</i>
8:45 – 9:05	Ehsan Nasr , Microsoft, US	<i>Hydrogen and smart energy storage in data centers</i>
9:05 – 9:25	Steven Low and Fengyu Zhou , CalTech, US	<i>Grid Edge AC OPF applications</i>
9:25 – 9:55	F. Milano (moderator)	<i>Q&A</i>
9:55 – 10:05	All	<i>Break</i>

Part II	Panelists	Presentation
10.05 – 10:25	Randy Boys , Oncor, US	<i>Grid modernization and DER: Resilient, complex, and affordable, pick any three</i>
10:25 – 10:45	Yingchen Zhang , NREL, US	<i>Understanding the behind-the-meter resources</i>
10:45 – 11:05	Emiliano Dall'Anese , University of Colorado, Boulder, US	<i>Learning to optimize grid-edge devices in real time</i>
11:05 – 11:25	Johanna Mathieu , University of Michigan, US	<i>Establishing credibility for load coordination at scale</i>
11:25 – 11:55	A. Bernstein (moderator)	<i>Q&A</i>
11:05 – 12:00	F. Milano & A. Bernstein	<i>Final Statement</i>