

Electricity Storage

The Missing Link

March 26, 2012

5:30 - 6:00 pm, Mix and Meet

6:00 - 7:30 pm, Lecture, Q and A

**2017 Dunton Tower
Carleton University**

As part of Carleton's Sustainable Energy Master's Program, the Carleton Research Unit in Innovation, Science and Environment (CRUISE) and the Carleton Sustainable Energy Research Centre (CSERC) invite you to attend a lecture on the 'missing link' in today's electricity systems.

Storage capacity has the potential to make electricity systems more reliable and efficient overall, to optimize the utilization of both intermittent renewables and baseload generators, and, to help meet demand fluctuations in real-time.

But electricity storage comes with high costs and significant barriers for entry, requiring a combination of new technology and novel policy and market arrangements. Storage technologies suitable for utility-scale storage are being researched and demonstrated now. Widespread take up will require new technologies with much greater capacity, faster response times, and lower costs per kWh. The challenges are even more complex on the market and "policy" sides. These include questions such as whether to regulate or incent installment of storage capacity, how to appropriately reward the investor in storage capacity, and where to best position storage capacity, near the generation source or near the load.

Guest speaker Mike Zajmalowski will talk about the latest technology breakthroughs in electricity storage and then will focus on the market issues and policy needs required to accelerate widespread implementation of electricity storage services in tomorrow's electricity systems.

Mike Zajmalowski has worked in the energy industry for over 10 years as a consultant, a power and gas marketer, and currently, as a power system planner in the Power System Planning Division at the Ontario Power Authority.



Mike Zajmalowski

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