NSERC
Energy Storage
Technology Network

Leading the Charge Conference: Storage, Renewables and Transactive Energy

Thursday, October 8, 2020

#LeadingTheCharge

Ryerson University
Centre for Urban Energy

NSERC CRSNG

Program

Zoom link for all sessions: https://ryerson.zoom.us/j/97768240134

Session 1

9:00 a.m. ET	**Welcome** Bala Venkatesh
9:05	**Opening remarks** Susan Uthayakumar
9:15	**Fireside chat** Terry Young Bala Venkatesh
9:45	**Break**

Session 2

10:15	**Panel discussion: Where is energy storage?** Alexandre Nassif Ammar Nawaz Dave Rogers Hani Taki Moderated by Neetika Sathe
11:30	**Lunch**

Session 3

12:15 p.m	**Presentation: IESO energy storage design project** Edward Arlitt
12:45	**Break**
1:00	**Panel discussion: The future of transactive energy** Edward Arlitt Sarah Griffiths Frédérick Morency Matt Sachs Moderated by Jessie Ma
2:15	**Break**

Session 4

2:45 **Panel discussion: The future of storage (including hydrogen)**
Yulong Ding
Andrew Rowe
Ian Rowlands
Lukas Swan
Moderated by F. Handan Tezel

4:00 **Closing remarks**
Bala Venkatesh

Speakers

Bala Venkatesh
Academic Director, Centre for Urban Energy at Ryerson University

Susan Uthayakumar
Country President, Schneider Electric Canada

Terry Young
Interim President and CEO, Independent Electricity System Operator

Alexandre Nassif
Specialist Engineer, Planning and Operations, ATCO Electric

Ammar Nawaz
Vice President, Distributed Energy Solutions, Alectra

Dave Rogers
Founder and CEO, Amp

Hani Taki
Director, Standards and Technical Studies, Toronto Hydro

Neetika Sathe
Vice President, GR&AT Centre, Alectra, and NESTNet Board Chair

Edward Arlitt
Supervisor, Advanced Technology Research, Independent Electricity System Operator

Sarah Griffiths
Director, Head of Regulatory Affairs, Enel Group

Frédérick Morency
Vice President, Energy and Services, Schneider Electric Canada

Matt Sachs
COO, Peak Power

Jessie Ma
IESO Research Fellow, Centre for Urban Energy at Ryerson University

Yulong Ding
Director, Birmingham Centre for Energy Storage, University of Birmingham

Andrew Rowe
Executive Director, Institute for Integrated Energy Systems, University of Victoria

Ian Rowlands
Professor, University of Waterloo

Lukas Swan
Professor, Dalhousie University

F. Handan Tezel
Professor, University of Ottawa

Thank you

Ryerson University and the Natural Sciences and Engineering Research Council of Canada (NSERC) are proud to lead a five-year, $5 million pan-Canadian network of 15 universities and 26 industry and government partners focused on the future of energy storage – an essential technology in the global transition to clean energy.

The NSERC Energy Storage Technology Network (NESTNet) collaboratively explores many different types of energy storage, including flywheels, lithium-ion batteries and compressed air, while determining the best way to integrate these technologies into the electricity grid. In addition, researchers consider the implications arising from the increasing adoption of energy storage and how consumers will perceive, adopt and interact with these technologies. By partnering with the private sector, NESTNet enables directed progress – without duplication of efforts – towards a strong domestic energy storage industry that is also competitive in the global marketplace.

As our energy systems transform to integrate clean technologies, cooperation from all sections of society is required. With that in mind, we welcome you (virtually) to the fifth annual Leading the Charge Conference. This event provides a platform for stakeholders – including technology providers, local distribution companies, government and academia – to come together and share their perspectives on the promise, progress and potential pitfalls of energy storage.

We would like to offer our sincere thanks for joining us from across Canada and around the world today.

ryerson.ca/nestnet

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