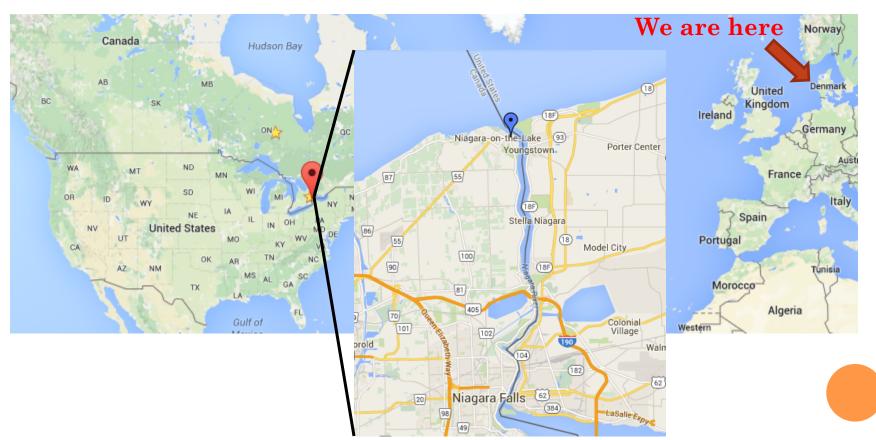


NIAGARA 2016 SYMPOSIUM ON MICROGRIDS

20-21 Oct 2016

NIAGARA ON THE LAKE

- About 1.5 hour drive from Toronto, Ontario Canada
- Short drive from Buffalo, NY, USA
- Minutes from Niagara Falls



WHY NIAGARA ON THE LAKE?

- Amazing place to visit
 - Unique Canadian experience
 - Art galleries and shopping



- 7th International Conference on Integration of Renewable and Distributed Energy Resources
 Conference (IRED), October 24-27, 2016,
 Niagara Falls Marriott Gateway
 - Last IRED conference (2014) was in Kyoto, Japan about 300 people attended
 - Symposium hatched at 1st

) IRED2014

http://www.marriott.com/hotels/travel/iagmc-niagara-falls-marriott-gateway-on-the-falls/

POWER AND ENERGY

- Niagara was early European settlement (1760) area, and major power generation centers of the northeast
 - Multiple hydro power plants (total capacity of 5.1 GW)
 - Adam Beck #1 a 25 Hz system designed by Tesla
 - A major Pumped-Hydro Storage facility (240 MW)



Adam Beck #1 - 1960

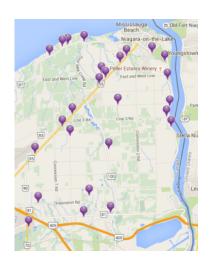


25-Hz at Niagara Falls

http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=4412948

TOURIST ATTRACTIONS

- o Canada's prettiest town!
- O Heart of wine country: http://wineriesofniagaraonthelake.com/
- Shaw Festival of live theater <u>http://http://www.shawfest.com/</u>











Official town site: https://www.niagaraonthelake.com/



Symposium Venue

Queen's Landing Conference Center:
Grand Georgian Ballroom <u>www.vintage-hotels.com</u>





SYMPOSIUM ORGANIZATION

Local Organizing Committee (LOC):

- Amir Yazdani Symposium and LOC Chair
- Farid Katiraei International Steering Committee (ISC) Chair
- Chris Marnay ISC Lead for The Americas
- Dimitri Androutsos Chair of ELE Dept., Ryerson University
- Reza Iravani ISC Member for The Americas

Confirmed Sponsors

- Ryerson University
- Quanta Technology

Potential Sponsors

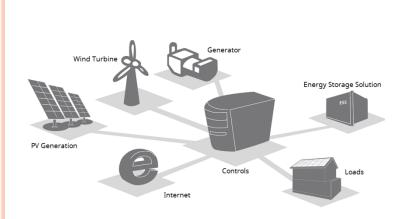
Your company?

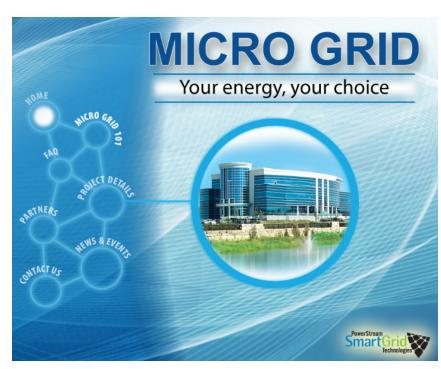
Collaborators

• NRCAN, Government of Ontario

POTENTIAL TECHNICAL TOURS

- Power Stream Microgrid System
- Hydro One Smart Zone
- NY Prize Microgrid projects: Cities of Syracuse and Buffalo
- Canadian Solar
- Lewiston Pumped-Hydro Storage Facility





ACCOMMODATION OPTIONS

- Queen's Landing Hotel (also symposium venue)
 - CAD\$190 per night (single or double occupancy)







• Prince of Wales Hotel

http://www.vintage-hotels.com/

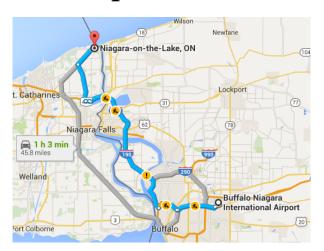
- Many cute B&Bs
 - wide range of options

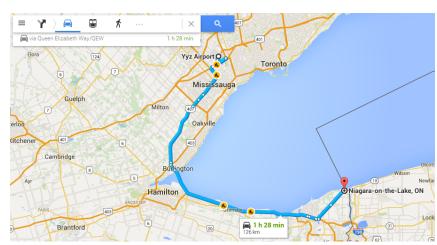


https://www.niagaraonthelake.com/page/accommodations/

TRANSPORTATION

- Three major airports (in order of traffic volume):
 - Toronto Pearson International Airport (YYZ)
 - Buffalo International Airport (BUF)
 - Niagara Falls International Airport (IAG)
- Go Train from Toronto Union Station
- Multiple buses and coaches

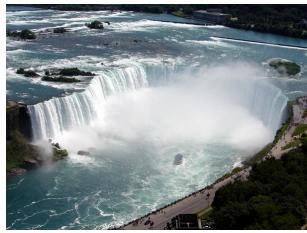




https://www.niagaraonthelake.com/page/About_Niagara-on-the-Lake

SEE YOU AT NIAGARA ON THE LAKE





20-21 Oct 2016