

CAE Roadmap to Resilient Ultra-Low Energy Built Environment with Deep Integration of Renewables in 2050 – Low-Carbon and Positive Energy Resilient Communities Webinar – October 12, 2021

All times displayed in EST. Register in advance for this meeting at the Zoom link below:

<https://concordia-ca.zoom.us/meeting/register/tZEpd--grjloGdRgyiMkqN74M2rVXIO3VIMj>

Scope: The webinar will focus on lessons learned and experiences from existing and ongoing developments in high profile low-carbon and positive energy communities in Canada and Europe, and informing the CAE Roadmap on current status and future opportunities and challenges

Online connection	10:55– 11:00
Opening/Welcome Remarks Yves Beauchamp , FCAE/FACG, President CAE, VP Administration and Finance, McGill University Mourad Debbabi , Dean Gina Cody School of Engineering & Computer Science, Concordia University Setting the Framework for Zero Carbon Communities Andreas Athienitis , FCAE, Roadmap Co-Chair , Professor and NSERC/Hydro-Québec Industrial Research Chair & Concordia Chair, Concordia University Andrew Pape-Salmon , FCAE, Roadmap Co-Chair , Adjunct Professor, University of Victoria Ursula Eicker , Professor, Canada Excellence Research Chair and IEA Positive Energy Districts Subtask Leader , Concordia University Caroline Hachem-Vermette , Associate Professor and IEA SHC Solar Neighborhood Planning Subtask Leader , Environmental Design, University of Calgary	11:00 – 11:30
CASE STUDIES - SESSION I	
Co-chairs: Leon Wang and Mohamed Ouf, Concordia University	
Dirk Pietruschka , Stuttgart University, Germany: Low Depth Geothermal District Energy System in Wüstenrot	11:30 – 11:45
Silvia Croce , Eurac, Italy: Building and District Energy System Retrofit in Bolzano	11:45 – 12:00
Gilles Desthieux , HEPIA, Switzerland: Cité Carl Vogt Heritage Neighborhood Retrofit in Geneva	12:00 – 12:15
Rongling Li , Technical University of Denmark, Denmark: Energy Flexibility of a District Heating System in Copenhagen	12:15 – 12:30
David-Olivier Goulet, Hydro Quebec, QC, Canada and Stéphane Vachon, City of Lac Mégantic Lac-Mégantic Microgrid	12:30 – 12:45

CASE STUDIES - SESSION II

Co-chairs: Hua Ge and Bruno Lee, Concordia University		
Walter Merida , University of British Columbia, BC, Canada: Feathers and Dinosaurs: A Living Laboratory for Smart Energy Districts		12:45 – 13:00
Bill Wong , NRCan, ON, Canada: Drake Landing Solar Community		13:00 – 13:15
Milfred Hammerbacher , S2e Technologies, ON, Canada: West 5 Smart Grid Project		13:15 – 13:30
Nayeem Ninad , NRCan, ON, Canada: PV-Storage-Diesel Hybrid Microgrid of Colville Lake		13:30 – 13:45
Travis Hickford-Kulak , Corix Utilities, BC, Canada: Burnaby Mountain District Energy Utility		13:45 – 14:00
BREAK		14:00 – 14:05
PANEL DISCUSSION: Co-Chairs: Ted Stathopoulos, FCAE and Andreas Athienitis, FCAE All presenters		14:05 – 14:25
Closing remarks	Webinar Chair and Roadmap Co-Chair: Andreas Athienitis	14:25 – 14:30

In collaboration with IEA Positive Energy Districts (Annex 83) and SHC Solar Neighborhood Planning (Task 63):

