
Eugene Mohareb, Ph.D.

Current Role

[Post-Doctoral Researcher, University of Cambridge](#) 2014 - Present

Role: Leading research examining retrofit technology adoption, projections of GHG emissions from urban technology stocks, and urban approaches for climate change mitigation of the food system

Education

Ph.D., Civil (Environmental) Engineering, University of Toronto 2008-2012

Advisor: [Prof. Chris Kennedy](#) **Focus:** [Greenhouse Gas \(GHG\) Emissions from Cities](#)

M.Sc., Biological Engineering, University of Guelph 2001-2003

Advisor: [Prof. Gauri Mittal](#) **Focus:** [Optimisation of Edible Packaging Trays](#)

B.Sc.(Eng), Biological Engineering, University of Guelph 1997-2001

Advisor: [Prof. Gauri Mittal](#) **Focus:** [Process Engineering in the Food Industry](#)

Consulting Experience

Urban Sustainability 2012 - Present

Role: Assisted clients in quantification of carbon footprints, energy demand scenarios, climate change adaptation, funding strategies, capacity building, and general urban sustainability issues

Clients have included: [CBC](#), [City of Toronto](#), [The Next Practice](#), [Lao PDF MoH](#), [UN-HABITAT](#)

Quality Assurance 2004 - 2012

Role: Consulted with 12 micro & small enterprises on the installation and maintenance of food safety and quality systems, as well as the adoption of energy efficiency measures (100% audit success rate)

Clients have included: [Shasha Bread](#), [New Moon Kitchen](#), [Mimac Glaze](#), [Mr. Pita](#), [Silverstein's Bakery](#)

Teaching Experience

[Infrastructure for Sustainable Cities](#), Course Instructor, U. Toronto 2012

[Urban Engineering Ecology](#), Teaching Assistant, U. Toronto 2008, 2010, 2011

[Efficient Use of Energy](#), Teaching Assistant, U. Toronto 2009

[Environmental Impact & Risk Assessment](#), Teaching Assistant, U. Toronto 2009 - 2011

[Engineering Economics](#), Teaching Assistant, U. Guelph 2001

Selected Publications

Peer-Reviewed

[Residential GHGs from Major Canadian Cities](#), *CJCE* (2014), **41(4)**, 285 - 293

[Scenarios of Technology Adoption for Low-Carbon Cities](#), *Energy Policy* (2014), **66**, 685 - 693

[GHG Scenario Modeling for Cities](#), *J. of Industrial Ecology* (2012), **16(6)**, 875 - 888

[Cities Reducing their GHG Emissions](#), *Energy Policy* (2012), **49**, 774 - 777

[Carbon Sinks for Urban Inventories](#), *J. of Industrial Ecology* (2012), **16(3)**, 302 - 316

[Assessment of Quantification Methods for GHGs from Waste](#), *AWMA Journal* (2011), **61(5)**, 480 - 493

[Decoupling of Building Energy Use and Climate](#), *Energy & Buildings* (2011), **43(10)**, 2961 - 2963

Reports & Book Chapters

[Energy Efficiency Potential in Alberta](#), Alberta Energy Efficiency Alliance (2014)

[Improving Energy Efficiency in Alberta's Buildings](#), Pembina Institute (2014)

[Getting to Carbon Neutral](#); in *Energy Efficient Cities*, World Bank (2010)

[G2CN - A Guide for Canadian Municipalities](#), Toronto Regional Conservation Authority (2010)

Conferences Research has been presented at 15 national & international conferences

Awards Research has been funded with over \$200,000 (CAD) in grants, scholarships, and fellowships, from public & private organisations

Areas of Interest

Urban Sustainability
Low-Carbon Infrastructure
Technology Adoption
Sustainable Food Systems

General Skills

GHG Accounting
Life Cycle Assessment
Statistical Analysis
Programming: Python, R

Web Presence

[Google Scholar](#)
[LinkedIn](#)
[Research](#)
[Twitter](#)
[University of Cambridge](#)

Professional Affiliations

Memberships

- Air & Waste Management Association
- Canadian Green Building Council
- Canadian Society of Civil Engineers
- International Society for Industrial Ecology

Peer Reviewer

- Carbon Management
- Energy & Buildings
- Energy Policy
- Environmental Science & Technology
- J. of Cleaner Production
- J. of Industrial Ecology
- Waste Management

Personal Interests

Backcountry Camping
Hiking / Trekking
Doubles Tennis
Floor Hockey
Canoeing
Cycling

Languages

English (native)
French (intermediate)

Contact Information

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