
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 of climate change mitigation of the food system

Education

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

2008-2012

Advisor: [Dr. Chris Kennedy](#)

Focus: [Greenhouse Gas \(GHG\) Emissions from Cities](#)

M.Sc., Biological Engineering, University of Guelph

2001-2003

Advisor: [Dr. Gauri Mittal](#)

Focus: [Optimisation of Edible Packaging Trays](#)

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

1997-2001

Advisor: [Dr. 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 (NSERC) & private (AWMA) 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

Contact Information

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