

EDWARD A. McBEAN, Ph.D., P. Eng., P.E., FCAE, FEIC, FCSCE



EDUCATION

- Ph.D. Massachusetts Institute of Technology (1973) - Magna Cum Laude
C.E. Civil Engineer's Degree, Massachusetts Institute of Technology (1972)
S. M. Massachusetts Institute of Technology (1970)
B.A.Sc. University of British Columbia (1968)

AREAS OF EXPERTISE

Water supply security, water treatment technology, low tech water treatment, wastewater treatment, risk analysis, climate change.

EMPLOYMENT

- Professor of Water Resources, School of Engineering, and Tier 1 Canada Research Chair, University of Guelph, Ontario Canada
- Executive Director, CWTX (Canada Water Technology Exchange)
- A/Dean, College of Physical and Engineering Science, University of Guelph

PERSONAL WEBSITE

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(emcbean@uoguelph.ca)

AWARDS

- Recipient, Gold Medal from the Institution of Engineers (India), The Nawab Zain Yar Jung Bahadur Memorial Gold Medal for 1986-87
- Erskine Fellow, University of Canterbury, New Zealand, 2001
- Recipient, Japanese Promotion of Sciences Fellowship, 1987
- Recipient, Camille A. Dagenais Award for outstanding contributions to the development and practice of hydrotechnical engineering in Canada. An award from the Canadian Society of Civil Engineers, 2009
- Recipient, Research and Development Medal, Professional Engineers of Ontario and Ontario Society of Professional Engineers, 2009
- Canada Research Chair, Tier 1, Water Supply Security, 2003-2017
- Fellow, Canadian Academy of Engineering
- Fellow, Canadian Society for Civil Engineering and Engineers Canada
- Recipient of K. Y. Lo Award from the Engineering Institute of Canada, for significant contributions at the international level and demonstrating to the world, Canadian expertise in water security, 2015

Special Appointments

- **Adjunct Professor, North China Electric Power University, Beijing, China, 2014 – present**
- **Adjunct Professor, Xiamen University, Xiamen, China 2015-present**
- **Adjunct Professor, Indian Institute of Technology, Kanpur, India, 2011 - present**
- **External Advisor on Water Security Issues for the Bangladesh University of Engineering Technology, 2009 to present**
- **Principal Investigator on Advisory Panel for UNESCO on Desertification for the Middle Eastern Region, based out of UNESCO office in Tehran, Iran, 2009-present**
- **State Administration of Foreign Experts Affairs (SAFEA) – a member of an expert level panel working with SATEC in China, addressing issues of water security in China, 2009 –present.**