



CURRICULUM VITAE

MARIO D. GONÇALVES, P.ENG.

Mario Gonçalves is a professional engineer and senior building envelope consultant with over twenty five years of building science experience. He is President of CLEB building science. A building envelope consulting and testing firm with projects across Eastern Canada and the North-Eastern United States. The firm is based in Montreal with offices in Quebec city, Ottawa, Truro and New York. Mario Gonçalves is also President of the Quebec Building Envelope Council (QBEC) in and a Director of the National Building Envelope Council of Canada (NBEC). Mario Gonçalves is also actively involved in different standard and code development committees related to the building envelope. His professional practice includes assisting architects with the design and detailing of building envelopes as well as investigating performance related problems associated with the vertical building envelope of new and existing buildings.

EDUCATION

Bachelor's Degree in Construction Engineering (1996)

École de technologie supérieure (UQAM), Montreal, Quebec

Certificate in Construction Management (1993)

École de technologie supérieure (UQAM), Montreal, Quebec

College Degree in Architectural Technology (1990)

Vanier College, Montreal, Quebec

PROFESSIONAL AFFILIATIONS

Quebec Order of Engineers (OIQ)

Quebec Building Envelope Council (QBEC) – President

National Building Envelope Council of Canada (NBEC) – Director

Building Envelope Council Ottawa Region (BECOR)

Ontario Building Envelope Council (OBEC)

National Institute of Building Sciences (NIBS)

TECHNICAL COMMITTEES

National Energy Code of Canada for Buildings 2011 (1997 Code Review)

Chairman of the working group on the building envelope

CSA A440.4 – Canadian Window and Door Installation Standard



EXPERIENCE

1990 - PRESENT CLEB BUILDING SCIENCE

President

Mario Gonçalves has been with the company since 1990 and joined the group early after it was founded in 1989. He has been a partner in the group since 1993. He was appointed President of the company in 2001.

Mario Gonçalves manages the Montreal office as well as all projects located in the United States and abroad. He overlooks the technical coordination of professional services relating to the vertical building envelope of major projects, including:

- Assistance to architects in development of design details, technical specifications and establishment of performance criteria;
- Architectural and shop drawing design review;
- Building envelope consulting and on-site construction quality assurance;
- Building envelope performance testing and commissioning;
- Forensic investigations and construction litigation support.

2005 – PRESENT VANIER COLLEGE

Mario Gonçalves sits on the advisory board of Vanier College's Architectural Technology program, which he graduated from in 1990. His role on the advisory board is to help the department continuously evolve the programme's curriculum in order to respond to the changing requirements of the industry.

2006 – PRESENT QUEBEC BUILDING ENVELOPE COUNCIL (QBEC)

Mario Gonçalves is President of the Quebec Building Envelope Council (QBEC), a non-profit organisation with over 500 active members (www.cebq.org). He is responsible for managing the association and organising monthly presentations as well as an annual symposium in collaboration with the Quebec Order of Architects (OAQ) on various building envelope related topics.

2006 – PRESENT NATIONAL BUILDING ENVELOPE COUNCIL OF CANADA (NBEC)

Mario Gonçalves is a Director of the National Building Envelope Council of Canada, a non-profit organisation which groups six regional building envelope councils across Canada (www.nbec.net). He co-chaired the 12th Canadian Conference on Building Science and Technology which was held in Montreal in May 2009 (www.cebq.org/12).

2007 – PRESENT ÉCOLE DE TECHNOLOGIE SUPÉRIEURE (UQAM)

Mario Gonçalves teaches the construction engineering department's building envelope course to third year engineering students at École de technologie supérieure (University of Quebec's engineering school), which he graduated from in 1993 and 1996.



PRESENTATIONS

- 2011 Building Envelope Commissioning
- BCBEAC Annual General Meeting, Vancouver, British Columbia - September 2011
 - 13th Canadian Conference on Building Science and Technology (NBEC), Winnipeg, Manitoba - May 2011
- 2006 – 2010 Building Envelope Details and Case Studies
- Buildings XI Conference, Clear Water Beach, Florida - December 2010
 - Quebec General Contractor's Corporation (CEGQ), Mont-Tremblant, Quebec - February 2008
 - 11th Canadian Conference on Building Science and Technology (NBEC), Banff, Alberta - March 2007
 - Building Envelope Solutions Conference, Toronto, Ontario - March 2007
 - Buildings X Conference, Clear Water Beach, Florida - December 2007
- 2007 – 2009 Infrared Thermography (vertical building envelope of large buildings)
- Project Management Conference, Yellowknife, NT - November 2009
 - Thermal Solutions 2007 Conference, Sarasota, Florida - January 2007
 - Buildings X Conference, Clear Water Beach, Florida - December 2007
- 2003 – 2010 Window and Curtain Wall Performance
- 2007 Building Envelope Symposium (RCI), Boston, Massachusetts - November 2007
 - Canadian Window and Door Association (CWDMA), Ingonish, Nova Scotia - June 2005
 - National Capital Glass Association (NCGA), Ottawa, Ontario - November 2004
 - Construction Specifications Canada (Quebec Region), Quebec, Quebec - February 2004
 - Quebec Building Envelope Council (QBEC), Montreal, Quebec - September 2003
- 2001 – 2003 Insulating Solid Masonry Walls
- Building Envelope Council Ottawa Region (BECOR), Ottawa, Ontario - May 2003
 - 9th Canadian Conference on Building Science and Technology, Vancouver, British Columbia - February 2003
 - Building Science Insight Conference, Montreal, Quebec - April 2001
 - 8th Canadian Conference on Building Science and Technology, Toronto, Ontario - February 2001



PUBLICATIONS

Gonçalves, M.D., Jutras, R., Velji, M. «Evaluating the Field Performance of Windows and Curtain Walls of Large Buildings», 2007 Building Envelope Symposium, Institute of Roofing, Waterproofing and Building Envelope Professionals, Boston, Massachusetts, November 2007

Gonçalves, M.D., Rousseau, M.Z. «Design Considerations for Curtain Wall Parapets in Cold Climates», Eleventh Conference on Building Science and Technology, Alberta Building Envelope Council, Banff, Alberta, March 2007

Gonçalves, M.D., Gendron, P., Collantonio, T. «Commissioning of Exterior Building Envelopes of Large Buildings for Air Leakage and Resultant Moisture Accumulation using Infrared Thermography and Other Diagnostic Tools», Thermal Solutions 2007, January 2007

CMHC Better Buildings Case Study No. 53: «Conversion of a Monastery into Condominiums, Montreal, Quebec» – Square des Gouverneurs

CMHC Better Buildings Case Study No. 42: «Retrofitted Solid Masonry Wall, Lachine, Quebec» – Lofts Corticelli

CMHC Better Buildings Case Study No. 39: «Conversion of an Industrial Building into Condominiums, Montreal, Quebec» – Lofts St-James

Gonçalves, M.D., «Insulating Solid Masonry Walls», Ninth Canadian Conference on Building Science and Technology, British Columbia Building Envelope Council, Vancouver, British Columbia, February 2003

Dummont, R.S., Snodgrass, L.J., Hill, D., Gonçalves, M.D., «Insulating Solid Masonry Buildings: Case Studies of Interior Retrofits», Eighth Canadian Conference on Building Science and Technology, Ontario Building Envelope Council, Toronto, Ontario, February 2001

Renzullo, A., Chiovitti, D., Gonçalves, M.D., «Performance Evaluation of Water Repellents for Above Ground Masonry», Eighth Canadian Masonry Symposium, Jasper, Alberta, May 1998