

Dr. Mohamed Lachemi, P.Eng., FCAE, FCSCE

Ryerson University
350 Victoria Street
Toronto, Ontario, Canada M5B 2K3

UNIVERSITY EDUCATION AND TRAINING

1993–1998	Concrete Canada, Sherbrooke University, Quebec, Canada Postdoctoral Fellow/Research Associate
April 1993	Sherbrooke University, Sherbrooke, Quebec, Canada PhD in Structural Engineering
December 1988	Sherbrooke University, Sherbrooke, Quebec, Canada MAsc in Structural Engineering
July 1986	University of Science and Technology of Oran, Algeria Engineer's Degree (with distinction) in Civil Engineering

ACADEMIC AND PROFESSIONAL ROLES**Ryerson University, Toronto, Ontario**

Dec 2015–Mar 2016	Interim President and Vice Chancellor Office of the President
May 2013–Nov 2015	Provost and Vice President Academic Office of the Provost and Vice President Academic
2007–present	Professor Department of Civil Engineering
2009–2013	Dean Faculty of Engineering and Architectural Science (FEAS) (until 2012, Faculty of Engineering, Architecture and Science)
2002–2010	Canada Research Chair in Sustainable Construction Department of Civil Engineering
2007–2009	Associate Dean, Research, Development and Graduate Programs (FEAS)
2002–2007	Associate Professor Department of Civil Engineering
2000–2005	Graduate Program Director and Associate Chair Department of Civil Engineering
2004	Acting Chair Department of Civil Engineering
1998–2002	Assistant Professor Department of Civil Engineering

Other Universities and Industry

2005–2006	Visiting Professor Alhosn University, Abu Dhabi, UAE
1997–2006	Adjunct Professor Department of Civil Engineering, Sherbrooke University, Quebec
2000–2003	Adjunct Professor Department of Civil Engineering, University of Toronto, Ontario
1998 / 1999	Visiting Professor Faculty of Applied Sciences, Artois University, Béthune, France
1993–1998	Research Associate and Postdoctoral Fellow Concrete Canada, Sherbrooke University, Quebec
1994–1997	Vice-President Genispec Technologies Inc., Bromptonville, Quebec
1991–1995	Lecturer Department of Civil Engineering, Sherbrooke University, Quebec

GENERIC QUALIFICATIONS

- Solid management and leadership track record at a senior level, including responsibilities for strategic planning, allocation of fiscal/human resources, policy development and implementation, and research culture building.
- Advanced knowledge of program reviews, quality assurance, and accreditation processes.
- Success in developing research/education infrastructure, community relationships, and strategic partnerships.
- Success in identifying and implementing international collaborations.
- Leadership in building multidisciplinary educational/research initiatives with attention to innovation and entrepreneurship.
- Strong abilities in generating innovative ideas and creative problem-solving.
- In-depth knowledge of the higher education system.
- Award-winning teacher and prolific researcher with proven record in securing research funding.
- Extensive experience in grant review committees/panels and journal editorial boards.

HONOURS, DISTINCTIONS AND AWARDS

- REH'MA Community Services Award; "New Canadian Success Story", 2015
- Award of Excellence, NED Alumni Association of Canada, 2014
- NATEG Appreciation Award, 2013
- NSERC Discovery Accelerator Supplement Award, 2012
- Fellow, Canadian Academy of Engineering (CAE), 2011
- Fellow, Canadian Society for Civil Engineering (CSCE), 2010
- Special Award, National Society of Black Engineers, 2010
- Ryerson's FEAS Teaching Excellence Award, 2007

- Ryerson University Merit Award for Teaching, Research and Service, 2000–2007
- Certificate of Appreciation from Alhosn University for outstanding contributions, Abu Dhabi, UAE, 2006
- Academic Theme Leader, CANMET Materials Technology Laboratory: Academic User Access Facility, 2003–2006
- Ryerson FEAS Research Excellence Award, 2005
- Certificate of Appreciation from CSCE in recognition for contributions in organizing the 2005 CSCE Annual Conference, 2005
- Award of Excellence for expert contribution from the Ontario Minister of Public Infrastructure Renewal, 2005
- Ryerson Sarwan Sahota Distinguished Scholar Award for Distinguished Scholarly, Research, and Creative Activity, 2004
- Certificate of Appreciation from the Creativity Center in Dubai, UAE, 2003
- Canada Research Chair (Tier II), Government of Canada, 2002
- Canada Foundation for Innovation (CFI) Award, Canada, 2002
- Ontario Innovation Trust (OIT) Award, Canada, 2002
- Jacques Bazinet Award, Teacher of the Year of the Department of Civil Engineering, Engineering Students' Association of Sherbrooke University, 1993 and 1994
- Governors' Medal for Merit and Excellence, Faculty of Applied Science, Sherbrooke University, 1990 and 1992
- Doctoral Research Scholarship, Sherbrooke University, 1989–1992
- Excellence Award for School Record, Civil Engineering Institute, University of Science and Technology of Oran, Algeria, 1986

ADMINISTRATIVE/SERVICE ACTIVITIES AT RYERSON

University Level

Chair	University Senate, 2015 to present
Member	University Board of Governors, 2015 to present
Chair	University Executive Group, 2015 to present
Chair	Senate Priorities Committee, 2015 to present
Chair	Provost's Group, 2013–2015
Chair	Academic Planning Group, 2013–2015
Chair	Senate Academic Governance and Policy Committee, 2013–2015
Chair	Senate Academic Awards and Ceremonial Committee, 2013–2015
Co-chair	Accessibility Steering Committee, 2013–2015
Member	University Executive Group, 2013–2015
Member	Senate Priorities Committee, 2013–2015
Member	iBEST Executive Committee, 2015 to present
Chair	Search Committee for the Vice President, Research and Innovation, 2015 to present

Member	Search Committee for the President, 2014–2015
Chair	Search Committee for the Dean of the Faculty of Arts, 2015 to present
Chair	Search Committee for the Dean of the Faculty of Community Services, 2015 to present
Chair	Search Committee for the Dean of the School of Graduate Studies, 2015 to present
Chair	Search Committee for the Dean of the Faculty of Communication & Design, 2014–2015
Chair	Search Committee for the Vice Provost, Academic, 2014–2015
Chair	Search Committee for the Vice Provost, Faculty Affairs, 2014
Chair	Search Committee for the Dean of the Chang School, 2013–2014
Chair	Search Committee for the Dean of the Faculty of Engineering and Architectural Science, 2013–2014
Member	Senate, 2009 to present
Chair	Search Committee for the Director of the Ryerson Image Centre, 2013
Member	Academic Planning Group, 2009–2013
Member	Search Committee for the Dean of the Ted Rogers School of Management, 2013
Member	Search Committee for the Assistant Vice President: HR, 2012
Member	Search Committee for the Dean of the Faculty of Science, 2011–2012
Member	Search Committee for the Vice Provost/Assistant Vice President: Equity, Diversity and Inclusion, 2011–2012
Member	Search Committee for the Vice President, Research and Innovation, 2010–2011
Member	Collective Agreement Article 4 Joint Committee, 2009–2010
Member	Search Committee for the Director of the Office of the Vice President, Research and Innovation, 2009
Member	Search Committee for the Graduate Program Director of Environment Applied Science and Management, 2009
Chair	Ryerson/NSERC Internal Equipment Review Committee, 2008–2009
Chair	Ryerson/NSERC-USRA Review Committee, 2008–2009
Member	Search Committee for the Associate Dean, Faculty of Communication and Design (FCAD), 2008
Member	PDF/Research Associate Program Advisory Committee, 2007–2009
Member	SRC Prizes and Awards Advisory Committee, 2007–2009
Member	School of Graduate Studies (SGS) Admissions and Studies Committee, 2007–2009
Member	Senate Scholarly, Research and Creative (SRC) Activity Committee, 2006–2009
Member	SRC Representatives Group, 2006–2009
Member	Ryerson's SGS Council, 2001–2005
Member	Ryerson's Academic IT Working Group, 2003–2004
Member	Ryerson's Planning and Priorities Advisory Committee, 2001–2003
Member	Search Committee for the Dean of SGS, 2001–2002
Member	Search Committee for the Dean of FEAS, 2001–2002
Member	Search Committee for the SGS Program Assistant, 2001

Member SGS Student Services Committee, 1999–2001

Faculty Level

Chair Internationally Educated Engineers Qualification Bridging (IEEQB) Program Advisory Committee, 2009–2013

Chair FEAS Executive Group, 2009–2013

Chair FEAS Executive Council, 2009–2013

Chair Search Committee for the Associate Dean, Undergraduate Programs and Student Affairs, 2012

Chair Search Committee for the Chair of Architecture, 2011–2012

Chair Search Committee for the Chair of Mechanical and Industrial Engineering, 2011–2012

Chair Search Committee for the Chair of Aerospace Engineering, 2011

Chair Search Committee for the Chair of Chemistry and Biology, 2011

Chair Search Committee for the Associate Dean, Research, Development and Graduate Programs, 2010–2011

Chair Search Committee for the Associate Dean, Undergraduate Science Programs and Student Affairs, 2010–2011

Chair Search Committee for the Chair of Chemical Engineering, 2010–2011

Chair Search Committee for the Chair of Civil Engineering, 2010–2011

Chair Search Committee for the Chair of Physics, 2009–2011

Chair Search Committee for the Chair of Mathematics, 2009–2010

Chair Search Committee for the Chair of Computer Science, 2009–2010

Chair Search Committee for the Chair of Electrical & Computer Engineering, 2009–2010

Member IEEQB Program Advisory Committee, 2008–2009

Member FEAS Chairs Council, 2007–2009

Chair Research Assistant Summer Program Committee, 2007–2009

Member FEAS Teaching Awards Selection Committee, 2008

Member Search Committee for the Chair of Chemistry and Biology, 2008

Chair Promotion Committee to Professor for Dr. A. El-Rabanny (Civil Eng.), 2007–2008

Member Promotion Committee to Professor for Dr. F. Yuan (Electrical and Computer Eng.), 2007–2008

Member Promotion Committees to Associate Professor for Dr. F. Mohammadi (Electrical and Computer Eng.), Mr. C. Ripley (Architectural Science), Dr. L. Amleh, Dr. J. Li and Dr. S. Li (Civil Eng.), Dr. J. Lu (Chemistry and Biology), Dr. D.C. Lin and Dr. W. Leong (Mechanical and Industrial Eng.), 2003–2008

Member FEAS Conduct Appeal Committee, 2003–2008

Member Search Committee for the Chair of Computer Science, 2004–2005

Member Search Committee for the Chair of Civil Engineering, 2004–2005

Member FEAS Teaching Excellence Awards Committee, 2004–2005

Member FEAS Canada Research Chair Nomination Committee, 2002–2005

Member	Search Committee for the Chair of Aerospace Engineering, 2004
Member	Search Committee for the Chair of Chemical Engineering, 2004
Chair	FEAS Research Excellence Awards Committee, 2004
Chair	FEAS Merit Award Subcommittee, 2004
Member	Search Committee for the Associate Dean of FEAS, 2002–2003
Member	Search Committee for the Chair of Civil Engineering, 1999–2000

Departmental Level

Member	Civil Engineering Department Appointment Committee, 2007–2008
Member	Civil Engineering Strategic Planning Committee, 2006–2007
Member	Civil Engineering Graduate Studies Committee, 2006–2007
Member	Civil Engineering Student Affairs Committee, 2006–2007
Member	Civil Engineering Space Committee, 2002–2005
Member	Civil Engineering Department Appointment Committee, 2001–2005
Program Director	Graduate Program in Civil Engineering, 2000–2005
Assistant Chair	Research and Graduate Studies in Civil Engineering, 2000–2005
Acting Chair	Department of Civil Engineering, Jan-July 2004
Member	Civil Engineering Computer Committee, 2002–2004
Chair	Civil Engineering PhD Program Steering Committee, 2002–2004
Chair	Civil Engineering Graduate Program Advisory Committee, 2001–2004
Chair	Civil Engineering Graduate Program Admissions Committee, 2000–2005
Member	Search Committee for the Graduate Program Technologist, 2002–2003
Member	Search Committee for the Civil Engineering Secretary, 2001 and 2002
Member	Search Committee for the Civil Engineering Administrative Assistant, 2000 and 2001
Chair	Civil Engineering Space Committee, 2000–2002
Member	Capital Equipment for Structures Laboratory Committee, 1999–2000

PROFESSIONAL ACTIVITIES

Professional and Advisory Services

Director	Board of Directors, Trillium Health Partners, 2015 to present
Director	Board of Directors, OneEleven Accelerator, 2013 to present
Member	Council of Ontario Universities, 2015 to present
Member	Ontario Council of Academic Vice-Presidents, 2013–2015
Chair	Advisory Board, Centre for Urban Energy, 2013–2015
Member	Advisory Board, EPIC College of Technology, 2012–2015
Member	Advisory Board, Journal of Hydrocarbons, Mines and Environmental Research, 2010 to present
External Reviewer	Promotion to Professor application, Western University, 2014
Member	Selection Committee for the CSCE Gzowski Medal, 2009–2013

Technical Reviewer	University Grants Committee, Hong Kong, 2008 to present
Associate Editor	Canadian Journal of Civil Engineering, 2007 to present
Member	Editorial Advisory Board, The Open Civil Engineering Journal, Bentham Science Publishers, 2007 to present
Technical Reviewer	Hong Kong Research Grants Council, 2004 to present
External Expert	FRNT (Fonds de Recherche sur la Nature et les Technologies: Granting Agency for the Quebec Government), 2001 to present
Committee Member	Team Research Project Program, FRNT, 2003–2014
Technical Reviewer	Canada Foundation for Innovation (CFI), 2000 to present
Technical Reviewer	Natural Sciences and Engineering Research Council of Canada (NSERC) (Discovery, and Collaborative R & D Grants), 1999 to present
Member	Council of Ontario Deans of Engineering, 2009–2013
Member	National Council of Deans of Engineering and Applied Science, 2009–2013
External Consultant	Institutional Quality Assurance Process, Bachelor Program in Civil and Environmental Engineering, Western University, 2012
External Reviewer	Master Program in Construction Engineering, ETS-Montreal, 2012
Member	Editorial Advisory Board, AHU Journal of Engineering and Applied Sciences, 2007–2012
Member	College of Reviewers for Canada Research Chairs, 2002–2014
External Reviewer	Tenure application, University of Manitoba, 2011
External Reviewer	Promotion to Associate Professor application, University of Calgary, 2011
Representative	Natural Sciences and Engineering Research Council of Canada (NSERC), for Ryerson University, 2007–2010
Member	Advisory Committee, Internationally Educated Engineers Qualification Bridging (IEEQB) Program, 2008–2009
Member	Ontario Council on Graduate Studies Appraisal Committee, 2007–2009
Panel Chair	Applied Science Section, Ontario Graduate Scholarship (OGS) Program, 2003–2009
External Reviewer	Promotion to Professor application, McMaster University, 2008
Technical Reviewer	OCE Collaborative Research Grants, 2003–2008
External Reviewer	Internal research proposal, Sultan Qaboos University, 2007
Member	Management Committee, CANMET Materials Technology Laboratory: Academic User Access Facility, 2003–2006
External Reviewer	Promotion to Associate Professor application, Carleton University, 2007
External Reviewer	CFI internal proposal, McMaster University, 2005
Judge Panel	Building a Sustainable Future Student Contest, (Cement Association of Canada, Earth Rangers, Seneca College, Trent University, and York Region District School Board), April 2005
Member	Steering Committee on Universities and Internationally Trained Professionals, College of Ontario Universities, 2004–2005
Judge	CSCE Student Bridge Competition, 1999–2005

Faculty Advisor	Bridge Competition, 1999–2005
Faculty Advisor	CSCE Student Chapter, 1999–2004
Ryerson Representative	CSCE's Toronto Section, 1999–2005
Judge	National Concrete Canoe Competition, 1994

Professional Societies/Organizations

Member	Professional Engineers of Ontario (PEO)
Member	Ordre des ingénieurs du Québec (OIQ)
Member	Ontario Society of Professional Engineers (OSPE)
Member	Canadian Engineering Education Association (CEEA)
Member	Canadian Society for Civil Engineering (CSCE)
Member	American Concrete Institute (ACI)
Member	International Union of Laboratories and Experts in Construction Materials, Systems and Structures (RILEM)
Member	International Association for Bridge and Structural Engineering (IABSE)

Professional Committees

Member	Organizing Committee, ACI Convention, Toronto, 2012
Member	Scientific Committee, 6th International Symposium of Hydrocarbons and Chemistry, Algiers, Algeria, 2012
Member	Scientific Committee, International Conference on Computer, Electrical, and Systems Science, and Engineering, Toronto, Ontario, 2010
Member	RILEM Technical Committee on Mechanical Properties of Self-compacting Concrete, 2009-13
Member	CSCE Engineering Mechanics and Materials Division, 2007 to present
Member	Canadian Standards Association (CSA) Committee A283: Qualification Code for Concrete Testing Laboratories, 2003 to present
Member	ACI Committee 237: Self Consolidating Concrete, 2008 to present
Member	ACI Committee 231: Properties of Concrete at Early ages, 2000 to present
Member	Scientific Committee, 2 nd Canadian Conference on Effective Design of Structures "CCDES-II", Hamilton, Ontario, 2008
Member	International Scientific Committee, 8 th International Conference on Multi-Purpose High-Rise Towers and Tall Buildings "IFH2007", Abu Dhabi, UAE, 2007
Member	Technical Committee, 1 st International Structural Specialty Conference "ISSC-1", Calgary, Alberta, 2006
Member	Organizing Committee, CSCE Annual Conference, Toronto, Ontario, 2005
Chair	Technical Committee, CSCE Annual Conference, Toronto, Ontario, 2005
Member	Technical Committee, 1 st Canadian Conference on Effective Design of Structures "CCDES-1", Hamilton, Ontario, 2005
Member	International Scientific Committee, 7 th International Conference on Multi-Purpose High-Rise Towers and Tall Buildings "IFH2005", Dubai, UAE, 2005

Member	ACI Committee 363: High-Strength Concrete, 2000–2004
Member	Technical Committee, 1 st International Conference: World of Construction Project Management, Toronto, Ontario, 2004
Member	Technical Committee, IEEE International Conference for Upcoming Engineers, Toronto, Ontario, 2002 and 2003
Member	Organizing Committee, International Symposium on High-Performance and Reactive Powder Concretes, Sherbrooke, Quebec, 1998

Review of Manuscripts

- ACI Structural Journal
- ACI Materials Journal
- ACI Special Publications
- Applied Rheology Journal
- ASCE Journal of Structural Engineering
- ASCE Journal of Materials in Civil Engineering
- Canadian Journal of Civil Engineering
- Cement and Concrete Research: International Journal
- Cement and Concrete Composites: International Journal
- Computational Materials Science
- Computer and Concrete
- European Polymer Journal
- Materials and Structures Journal – RILEM
- Materials and Design
- Many national and international conferences

Professional Development

- Joint Provost-CBO National Meeting, Education Advisory Board, Washington, DC, September 2014 (2 days)
- Provost Roundtable, Education Advisory Board, Washington, DC, December 2013 (2 days)
- Graduate Attributes Accreditation Criteria Workshop, NCDEAS, Ottawa, Ontario, April 2010, (1 day)
- Development for Deans Conference, CASE, Washington, DC, February 2010 (2 days)
- ISIS Canada Education Committee Workshop, ISIS Canada, Toronto, Ontario, May 2008 (2 days)
- Grant Proposal Writing Workshop, Ryerson University, April 2008 (2 days)
- Intellectual Property Roundtable, Ryerson University, November 2007 (1 day)
- 2007 Sustainable Building and Construction Conference, Toronto, Ontario, May-June, 2007 (2 days)
- Education Committee Workshop, ISIS Canada Research Network, Sherbrooke, Quebec, May 2007 (2 days)
- Seminar on Sustainable Infrastructure: Techniques, Tools & Guidelines, NRC Institute for Research in Construction, Toronto, On, Nov. 2006 (1 day).

- 2nd International Road Federation Exhibition and Conference “Roadex”, Abu Dhabi, UAE, March 2006 (3 days)
- Innovations in Concrete Performance and Sustainable Concrete Construction Seminar, ACI Ontario Chapter, Mississauga, Ontario, September 2004 (1 day)
- Department Appointment Committee Development Workshop, Ryerson University, September 2004
- Wood Professors’ Conference, Canadian Wood Council, Toronto, On, August 2004 (2 days)
- Education Committee Workshop, ISIS Canada Research Network, Toronto, Ontario, May 2004 (2 days)
- Prefabricated Concrete Bridge Elements & Systems Technology Exchange Forum, Cement Association of Canada & MTO, Toronto, Ontario, March 2004 (1 day)
- Progress in Concrete Seminar, ACI Quebec & Eastern Ontario Chapter, Montreal, Quebec, December 2001 (2 days)
- State-of-the-Art Leading Edge Concrete Technology Seminar, Cement Association of Canada, Toronto, Ontario, September 2001 (1 day)
- High-Performance Concrete Seminar, ACI Ontario Chapter, Toronto, Ontario, September 1999 (1 day)
- Portland Cement Association Seminar on Concrete Design and Economics, Skokie, Illinois, August 1999 (3 days)
- Progress in Concrete Seminar, ACI Quebec & Eastern Ontario Chapter, Sherbrooke, Quebec, November 1998 (2 days)
- Colloquium on New Techniques for Monitoring and Evaluating Existing Concrete Structures, CRIB, Sherbrooke, Quebec, May 1998 (1 day)
- Progress in Concrete Seminar, ACI Quebec & Eastern Ontario Chapter, Montreal, Quebec, December 1997 (2 days)
- Technology Transfer Day: The Specifications & Use of HPC, Concrete Canada, Toronto, Ontario, October 1997 (1 day)
- Colloquium on Research Progress in the area of Infrastructures in Quebec, Ministry of Transportation, Quebec, Quebec, April 1997 (2 days)
- Progress in Concrete Seminar, ACI Quebec & Eastern Ontario Chapter, Quebec, Quebec, November 1996 (2 days)
- Technology Transfer Day on HPC, Concrete Canada, Moncton, New Brunswick, August 1996 (1 day)
- Durable Parking Structures Seminar, National Research Council Canada, Montreal, Quebec, December 1995 (1 day)
- High-Performance & Roller-Compacted Concretes Technology Transfer Day, Concrete Canada, Montreal, Quebec, May 1995 (1 day)
- International Scientific Workshop on Roller-Compacted Concretes, Laval University, St-Foy, Quebec, November 1994 (1 day)
- Intensive Training on FEM Code CESAR-LCPC, Laboratoire Central des Ponts et Chaussées, Paris, France, December 1993 to January 1994 (3 weeks)

TEACHING ACTIVITIES

Courses Taught at Ryerson University

- Advanced reinforced concrete design
- Computer-aided structural analysis
- Structural analysis
- Elements of structural design (steel, reinforced concrete and wood structures)
- Project management
- High-performance concrete structures (graduate level)
- Directed studies in civil engineering (graduate level)

Courses Taught at Sherbrooke University

- Advanced Structural analysis
- Engineering mechanics of solids
- Analysis and design of pre-stressed concrete structures
- Analysis and design of reinforced concrete structures

Courses Taught at Other Institutions

- Design of reinforced concrete structures (European versus North American codes)
- Elementary structural design (steel, reinforced concrete and wood structures)
- Selection and testing of construction materials
- Evaluation, preservation and rehabilitation of existing infrastructures
- Specification, selection and testing of structural materials

CONSULTING ACTIVITIES

Acted as an expert/consultant in various construction and research and development projects involving companies/organizations as follows:

- Ontario Concrete Pipe Association
- Munro Concrete
- Divco
- Hatch
- Qualitas
- Greenpath Environmental
- Arxx Building Products
- SNC-Lavalin
- McCoy Foundry
- Cement Association of Canada
- St. Lawrence Cement
- Lafarge North America
- St. Marys Cement
- Ciment Québec
- Essroc Italcementi Group
- Miller Cement
- Hydro-Québec

- Ontario Ministry of Transportation
- Quebec Ministry of Transportation
- Andec Mfg.
- Dufferin Concrete Group
- SM Group
- City of Sherbrooke
- City of Montreal
- Groupe Teknika
- Daewoo (South Korea)
- Abu-Dhabi Public Works (UAE)

PUBLICATIONS

Authored or co-authored over 240 publications and 30 major research reports.

- 130 publications in refereed journals
- 100 publications in refereed conference proceedings
- One book
- Six edited books
- 3 contributions to books
- 7 articles in magazines
- Over 50 conference presentations and invited lectures

EXTERNAL RESEARCH FUNDING

Secured over \$3 million in external research funding to support his research program.

TRAINING OF HIGHLY QUALIFIED PERSONNEL

Supervised or co-supervised over 60 Masters and PhD students, post-doctoral fellows and research associates.