

(OCICE) OTTAWA-CARLETON INSTITUTE FOR CIVIL ENGINEERING

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PREFERENCE FORM

Université d'Ottawa
University of Ottawa



Carleton University

FAMILY NAME

GIVEN NAME

E-MAIL DATE

Please rank the following specializations in ORDER OF PREFERENCE — (1=most preferred, 4=least preferred)

SPECIALIZATIONS	ORDER OF PREFERENCE
CONSTRUCTION MANAGEMENT	
ENVIRONMENTAL ENGINEERING	
GEOTECHNICAL ENGINEERING	
STRUCTURAL ENGINEERING	
WATER RESOURCES ENGINEERING	

Indicate the names of professor(s) to whom you would like your file sent. Leave blank if unsure

SUPERVISOR (a)	ORDER OF PREFERENCE (b)

(a) refer to page 3 for further details
(b) 1=first choice, etc. Leave blank if no preference

I have already made arrangements with Professor:

FUNDING

Estimated minimum **yearly** expenses for a **single** Visa student (tuition, accommodation, meals, incidental expenses, etc.) is \$30,000 Canadian. If you cannot finance your own studies, or funding cannot be arranged from the University, you will not be offered admission.

Please check the box that best describes your financial requirements.

(Own means) I am prepared to fully finance my study from my **own** resources.

Specify the **yearly amount** and **source** of funding:

Amount _____

Source _____

(I request partial funding) I am prepared to finance my study **in part** from my own resources.

Amount _____

Source _____

Specify the minimum funds requested from the University of Ottawa _____

(I request full funding) I am not prepared to finance my own studies

FOR PhD APPLICANTS

If my application is not accepted at the University of Ottawa due to unavailability of a supervisor, I would like my file to be circulated at Carleton University for possible admission.

YES NO

FOR MASc APPLICANTS

If my application is not accepted at the University of Ottawa due to unavailability of a supervisor, I would like

to be admitted into the MEng program with courses at the University of Ottawa (*)

my file to be circulated at Carleton University for possible admission into the MASc program.

(*) Note that MEng Students are not funded

List of University of Ottawa Professors

The Department of Civil Engineering at the University of Ottawa offers graduate studies (MEng, MASC, and PhD) in four recognized areas of strength. These are Environmental Engineering, Geotechnical Engineering, Structural Engineering, and Water Resources Engineering. In addition, the department offers graduate studies in Construction Management.

As of January 2011, the department of Civil Engineering had 18 full-time professors ⁽¹⁾, four emeritus professors ⁽²⁾, and 15 adjunct professors ⁽³⁾, all actively pursuing research and supervising graduate students.

⁽¹⁾ Full-time professors are presently employed by University of Ottawa

⁽²⁾ Emeritus professors are former eminent professors at the University of Ottawa

⁽³⁾ Adjunct professors are either retired professors or affiliated with various research institutes in the Ottawa region.

Environmental Engineering

Full time professors

- R. Delatolla (wastewater treatment, biofilm, nitrification, emerging contaminants)
- K. Kennedy (biological waste treatment, residuals to energy, solid waste, anaerobic digestion)
- R. Narbaitz (water treatment, membrane filtration processes, activated carbon adsorption)

Emeritus professor

- R. Droste (biological wastewater treatment, modelling, kinetics)

Geotechnical Engineering

Full time professors

- M. Fall (mine-fill tech., nuclear waste disposal, carbon sequestration, problem grounds, coupled processes)
- J.-A. Infante (geotechnical design, unsaturated soils, green buildings, renewable energy)
- S. Vanapalli (unsaturated soils, hydro-mechanical behaviour of soils, foundation designs)

Adjunct professors

- M. Bo (reuse of biosolids and demolition waste, accelerated consolidation tests)
- E. Evgin (numerical modeling in geomechanics)
- T. Nguyen (Poromechanics, geological disposal of nuclear wastes)
- B. Wang (geotechnical engineering, permafrost, rock mechanics)

Structural Engineering

Full time professors

- H. Aoude (fibre reinforced concrete, high perform. concrete, earthquake-resistant design, rehab. of structures)
- E. Dragomirescu (wind effect on structures, probabilistic assessment of structures, structural dynamics)
- G. Doudak (timber structures, lateral loads, mid-rise buildings, full scale tests)
- B. Martin-Perez (concrete structures, reinforcement corrosion, service life modelling, finite element analysis)
- M. Mohareb (steel structures, oil and gas pipelines, buckling, finite element analysis)
- D. Palermo (concrete structures, seismic repair and retrofitting, extreme loads, nonlinear finite element analysis)
- M. Saatcioglu (earthquake engineering, reinforced concrete structures, blast-resistant structures)

Emeritus professors

- J. Gardner (punching shear, shrinkage and creep of concrete, form pressures, flat slab construction loads)
- H. Tanaka (structural dynamics, wind engineering, cable-supported bridges, building science)

Adjunct professors

- B. Baskaran (wind effects on building envelope systems, performance of building against under wind effects)
- J. Beaudoin (cement chemistry; cement-based nanocomposites, properties of cementitious materials, durability)
- M. Cheung (analysis and design of Bridges, finite strip method)
- G. Larose (wind engineering, bridge aerodynamics, cable aerodynamics, wind tunnel testing)
- N. Naumoski (earthquake engineering, seismic design, structural analysis, reinforced concrete)
- L. Raki (cement-based nanocomp., supplementary cementing mat. and admixtures, layered double hydroxides)
- T. Tikka (reinforced concrete, fire effects on structures, blast loads)

Water Resources Engineering

Full time professors

- M. Mohammadian (computational fluid dynamics, sediment transport, water quality modeling)
- I. Nistor (coastal engineering, tsunami impacts on infrastructure, dam engineering).
- C. Rennie (river engineering, fluvial morphodynamics, environmental hydraulics, acoustic measurements)
- O. Seidou (hydrology, statistical analysis, climate change, sediment transport)

Emeritus professor

- R. Townsend (open-channel hydraulics, river engineering, sediment transportation, hydraulic structures)

Adjunct professors

- K. Adamowski (extreme events analysis, climate change)
- A. Cornett (coastal engineering, hydraulics, marine energy)
- B. Daneshfar (geomatics, quantitative spatial data analysis, geostatistics)
- É. Mansard (coastal engineering, coastal structures and wave dynamics)
- T. Murty (coastal engineering, coastal inundation, tsunamis, storm surges)

Construction Management

Full time professors

- A. Jade (life cycle cost analysis, building information modeling, sustainable construction, operation analysis)