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Civil Engineering and Applied Mechanics
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Biography:
Professor Rogers joined the structures group of the Department in 1999. Structural steel engineering is his area of expertise. Coursework at the undergraduate level includes the design of steel, reinforced concrete and wood buildings, and at the graduate level involves the design of steel and wood structures. Research activities comprise; the seismic design of cold-formed steel framing systems, the seismic design of low-rise steel buildings and seismic deficient braced steel frames, as well as the design of structural steel connections.

Education:
B.A.Sc. (Civil Eng, University of Waterloo, Canada, 1992)
M.A.Sc. (Civil Eng, University of Waterloo, Canada, 1995)
Ph.D. (Civil Eng, University of Sydney, Australia, 1999)
Postdoctoral Research Fellow (École Polytechnique of Montreal, Canada, 1999)

Selected Publications:
Rogers CA, Schuster RM (1997) "Flange/Web Distortional Buckling of Cold-Formed Steel Sections in Bending", Thin-Walled Structures 27(1): 13-29.
Shamim I, Rogers CA (2012), "Numerical modeling and calibration of CFS framed shear walls under dynamic loading", 21st International Specialty Conference: Cold-Formed Steel Design & Construction, St. Louis, USA, 687-701.
Bakhti F, Tremblay R, Rogers CA (2013) "In-plane shear flexibility evaluation of fastened steel flat plate by numerical simulation considering the interaction between connectors and thin plate", 5th International Conference on Structural Engineering, Mechanics and Computation, Cape Town, South Africa. Paper No. 213.
Balh N, DaBreo J, Ong-Tone C, El-Saloussy K, Yu C, Rogers CA (2014), "Design of steel sheathed cold-formed steel framed shear walls", Thin-Walled Structures 75: 76-86.

Pham SH, Pham CH, Rogers CA, Hancock GJ (2018) "New proposals for the direct strength method of design of cold-formed steel beams with holes in shear", 24th International Specialty Conference on Cold-Formed Steel Structures, St. Louis, USA, 191-207.

