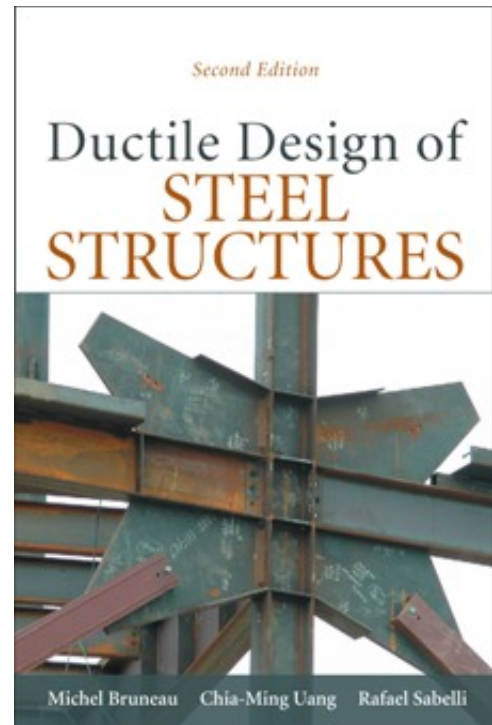




**Professor Michel Bruneau**



Bruneau, M., Uang, C.M., Sabelli, R., "Ductile Design of Steel Structures – 2nd Edition", McGraw Hill, New York, NY, 2011, 921 pages

See:

<http://www.eng.buffalo.edu/~bruneau/bruneau>

[https://engineering.buffalo.edu/civil-structural-environmental/people/faculty\\_directory/michel-bruneau.html](https://engineering.buffalo.edu/civil-structural-environmental/people/faculty_directory/michel-bruneau.html)

<http://www.eng.buffalo.edu/~bruneau/Bruneau%20Publications%20List.htm#Books>

<https://scholar.google.com/citations?user=2naNhTEAAAJ&hl=en>

<https://el-gr.facebook.com/UBSEASGrad/posts/1851593725161864>

<http://www.quakecentre.co.nz/Professor-Michel-research- I.6015 N.112>

Department of Civil, Structural, and Environmental Engineering  
University at Buffalo, Amherst, New York (SUNY Buffalo)

**Education:**

- B. Sc. Civil Engineering, Université Laval, Québec, 1983
- M.S. Structural Engineering, University of California, Berkeley, USA, 1984
- Ph.D. Structural Engineering, University of California, Berkeley, USA, 1987 (With specialization in Earthquake Resistant Design).

**Research Interests, Behavior of Structural Systems, with particular emphasis on:**

Earthquake Resistant Design and Dynamic Response of Structures  
Seismic Evaluation and Retrofit of Existing Steel Bridges  
Seismic Evaluation and Retrofit of Steel Buildings  
Seismic Evaluation and Retrofit of Unreinforced Masonry Buildings  
Ultimate Behavior of Steel, Metal and Advanced Composite Structures

Behavior of Guyed-Towers, Cable Structures, Long-Span and Tall Structures.

**Awards:**

- 2017 SUNY Chancellor's Award for Excellence
- 2005 J. James Croes Medal of the ASCE (awarded to authors of the paper, among all journals published by ASCE, that is judged worthy of special commendation for its merit as a contribution to engineering science).
- Top 100 Grantees/Principal Investigators Award/Recognition, University at Buffalo, 2002-now.
- Honorable Mention (2nd place) for Gzowski Medal, for best paper in the Canadian Journal of Civil Engineering in 1996.
- Pratley Award for best paper in bridge engineering in the Canadian Journal of Civil Engineering in 1996.
- Nominated by University of Ottawa for 1997 Natural Sciences and Engineering Research Council (NSERC) E.W. R. Steacie Memorial Fellowship.
- First recipient of University of Ottawa Young Researcher Award, 1996, awarded to best young researcher at the University of Ottawa.
- 1996 George S. Glinski Award for Excellence in Research, awarded to best researcher of the University of Ottawa's Faculty of Engineering.
- Young Researcher Award 1996, awarded (for first time in 1996) to best young researcher at the University of Ottawa.
- Gzowski Medal, for best paper in the Canadian Journal of Civil Engineering in 1994.

**Selected Publications:**

**Books:**

- Bruneau, M., Uang, C.M., Sabelli, R., "Ductile Design of Steel Structures – 2nd Edition", McGraw Hill, New York, NY, 2011, 921 pages
- Sabelli, R., Bruneau, M., "Steel Plate Shear Walls (AISC Design Guide)", American Institute of Steel Construction, Chicago, Illinois, 2007, 144 pages
- Michel Bruneau, Chia-Ming Uang and Andrew Whittaker, "Ductile Design of Steel Structures", McGraw Hill, New York, NY, 1998, 485 pages

**Journal Articles, etc.:**

- Bruneau M, Bhagwagar T (2002) Seismic retrofit of flexible steel frames using thin infill panels. *Engineering Structures* 24: 443-453.
- Vian D, Bruneau M (2004) Testing of special LYS steel plate shear walls. *Proceedings of the 13th World Conference on Earthquake Engineering Vancouver, B.C, Canada*
- J.W. Berman, M. Bruneau, Experimental investigation of light-gauge steel plate shear walls, *J. Struct. Eng.*, 131 (2) (2005), pp. 259–267
- J.W. Berman, O.C. Celik, M. Bruneau, Comparing hysteretic behavior of light-gauge steel plate shear walls and braced frames, *Eng. Struct.*, 27 (2005), pp. 475–485
- Berman J W, Bruneau M. Capacity design of vertical boundary elements in steel plate shear walls. *Engineering Journal*, 45(1), 57–71.
- R. Imani, M. Bruneau and G. Mosqueda, "Simplified analytical solution for axial load capacity of concrete-filled double-skin tube (CFDST) columns subjected to fire", *Engineering Structures*, Vol. 102, pp 156-175, November 2015
- Xiaone Wei and Michel Bruneau, "Analytical investigation of buckling restrained braces' applications in bidirectional ductile end diaphragms for performance of slab-on-girder bridge", *Engineering Structures*, Vol. 141, pp 634-650, June 2017

Yushan Fu, Fangbo Wang and Michel Bruneau, "Diagonal tension field inclination angle in steel plate shear walls", ASCE Journal of Structural Engineering, Vol. 143, No. 7, July 2017

Erkan Polat and Michel Bruneau, "Modeling cyclic inelastic in-plane flexural behavior of concrete filled sandwich steel panel walls", Engineering Structures, Vol. 148, pp 63-80, October 2017

P. Fouche, M. Bruneau and V. Chiarito, "Dual-hazard blast and seismic behavior of concrete-filled double-skin steel tubes bridge pier", ASCE Journal of Structural Engineering, Vol. 143, No. 12, December 2017