

## **Christopher D. Stoakes, PhD**

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### **Appointments**

Research Scientist, Civil and Environmental Engineering, The University of Iowa, 2012 – present.  
Lecturer, Civil and Environmental Engineering, The University of Iowa, 2011 – present  
Structural Engineer Intern, Shive-Hattery, Inc., Iowa City, Iowa, 2004 – 2006

### **Education**

PhD, Civil Engineering, University of Illinois at Urbana-Champaign, 2012  
MEng, Civil Engineering, Massachusetts Institute of Technology, 2007  
BS, Civil Engineering, The University of Iowa, 2003

### **Journal Publications**

Stoakes, C.D. and Fahnestock, L.A. “Cyclic flexural testing of concentrically braced frame beam-column connections.” *J. Structural Engineering*, ASCE, 137(7): 739-747, (2011).  
[dx.doi.org/doi:10.1061/\(ASCE\)ST.1943-541X.0000326](https://doi.org/10.1061/(ASCE)ST.1943-541X.0000326)

Stoakes, C.D. and Fahnestock, L.A. “Cyclic flexural analysis and behavior of beam-column connections with gusset plates.” *J. Constructional Steel Research*, 72 (2012) 227-239.  
[dx.doi.org/doi:10.1016/j.jcsr.2011.12.008](https://doi.org/10.1016/j.jcsr.2011.12.008)

Stoakes, C.D. and Fahnestock, L.A. (2016). “Strong-axis stability of wide flange steel columns in the presence of weak-axis flexure.” *J. Structural Engineering*, ASCE.  
[dx.doi.org/10.1061/\(ASCE\)ST.1943-541X.0001448](https://doi.org/10.1061/(ASCE)ST.1943-541X.0001448)

### **Conference Publications**

Fahnestock, L.A. and Stoakes, C.D. “Cyclic behavior and performance of beam-column connections in concentrically braced frames.” *ASCE Structures Congress 2009*, Austin, TX, May 2009.

Stoakes, C.D. and Fahnestock, L.A. “Flexural behavior of concentrically-braced frame beam-column connections.” *ASCE Structures Congress 2010*, Orlando, FL, May 2010.

Stoakes, C.D. and Fahnestock, L.A. “Experimental evaluation of concentrically-braced frame beam-column connection flexural response.” *9<sup>th</sup> U.S. National and 10<sup>th</sup> Canadian Conference on Earthquake Engineering*, Toronto, Canada, July 2010.

Stoakes, C.D. and Fahnestock, L.A. “Finite element simulations of cyclic flexural behavior for braced frame beam-column connections.” *7<sup>th</sup> Conference on Behavior of Steel Structures in Seismic Areas*, Santiago, Chile, January 2012.

Stoakes, C.D. and Fahnestock, L.A. “Influence of weak-axis flexural yielding on strong-axis buckling strength of wide flange columns.” *SSRC Stability Conference 2012*, Grapevine, TX, April 2012.

Imanpour, A., Stoakes, C., Tremblay, R., Fahnestock, L., and Davaran, A. (2013). “Seismic stability response of columns in multi-tiered braced steel frames for industrial applications.” *ASCE Structures Congress 2013*, Pittsburgh, PA, May 2013.

Stoakes, C.D. and Fahnestock, L.A. “Three-dimensional finite element simulation of the behavior of multitier concentrically braced frames.” *ASCE Structures Congress 2014*, Boston, MA, April 2014.

### **Fellowships and Awards**

University of Illinois Graduate Fellowship, 2007-2008  
CRSI Cameron Graduate Scholarship, 2007  
MIT Graduate Tuition Fellowship, 2006-2007

### **Professional Affiliations**

American Institute of Steel Construction  
Chi Epsilon  
Structural Stability Research Council