

Assistant Professor, UMass Amherst

Peterman, Kara



UMass
Amherst



Specialties:

- Analysis, Design & Computational Modeling of Steel and Cold-Formed Steel Structures
- Structural Stability
- Experimental Testing and Methods
- Sustainable Construction
- Connection Performance
- Translating Research to Practice

Qualifications & Certifications:

- Ph.D., 2014, Johns Hopkins University
- M.S., 2011, Johns Hopkins University
- BS, 2009, Swarthmore College

Professional Experience:

- 10+ years as Professor and Researcher

Committees & Memberships:

- AISI Committee on Specifications (Chair, Subcommittee 6: Test-Based Design)
- AISI Committee on Framing Standards
- SSRC Executive Committee
- CFSEI Executive Committee (Chair, Education Subcommittee)
- ASCE 8 Stainless Steel Specification Committee

Summary: Dr. Kara Peterman is an Assistant Professor at the University of Massachusetts Amherst, in the Department of Civil and Environmental Engineering. At UMass, Dr. Peterman investigates cold-formed and hot-rolled steel system behavior, seismic response of those systems, and the stability of thin-walled steel members. Dedicated to professional service, she is a member of the American Iron and Steel Institute Committee on Specifications (where she chairs the Test-Based Design subcommittee) and Committee on Framing Standards. Recently, Dr. Peterman was elected to the Executive Committee of the Cold-Formed Steel Engineers Institute. She also chairs the Thin-Walled Structures Task Group of the Structural Stability Research Council (SSRC). She received the 2021 Terry Peshia Early Career Faculty Award from the American Iron and Steel Institute, the 2021 McGuire Award for Junior Researchers from SSRC, and the 2018 Norman Medal from the American Society of Civil Engineers, the highest honor for a technical paper.

