Dustin T. Cook, P.E., M.S.

Department of Civil, Environmental and Architectural Engineering
University of Colorado, Boulder

EDUCATION

Currently Pursuing Ph.D. University of Colorado, Boulder **2017-Present**
Department of Civil, Environmental, and Architectural Engineering

M.S. University of California, Los Angeles **2013-2014**
Department of Civil and Environmental Engineering

B.S California State University, Chico **2006-2012**
Department of Civil and Environmental Engineering

WORK EXPERIENCE

Research Engineer, Technical Developer, and Seismic Risk Consultant **2014 - Present**
Haselton Baker Risk Group, LLC

Junior Structural Engineer **2014 - 2015**
Culp and Tanner, Inc. Structural Engineers

AutoCAD Drafter **2007-2008**
Land Image Landscape Architects

TEACHING EXPERIENCE

Lecturer of Civil Engineering **Fall 2015 to Spring 2016**
California State University Chico
Department of Civil Engineering

Instructor of Civil Engineering **Spring 2013**
California State University Chico
Department of Civil Engineering

Undergraduate Instructor **Fall 2012**
California State University Chico
Department of Construction Management

Mathematics Tutor **Fall 2012 to Spring 2013**
CORE Butte Charter School

RESEARCH EXPERIENCE

ATC-134: Performance-Based Seismic Engineering: **2017-Present**

Benchmarking of Existing Building Evaluation Methodologies
Funded by the Federal Emergency Management Agency (FEMA)

ATC-123: Improving Seismic Design of Buildings with Configuration Irregularities **2015-2018**
Funded by the Federal Emergency Management Agency (FEMA)

ATC-58-2: Development of Performance Based Seismic Design Guidelines: Phase 3 **2014-2017**
Funded by the Federal Emergency Management Agency (FEMA)

NEESR-CR: Full-Scale RC and HPFRC Frame Subassemblages Subjected to Collapse-Consistent Loading Protocols for Enhanced Collapse Simulation and Internal Damage Characterization **2012-2017**
Funded by the National Science Foundation (NSF)

2012 PEER Summer Internship Program **Summer 2012**
Funded by the National Science Foundation (NSF)

PUBLICATIONS

Cook, Wade, Haselton, Baker, DeBock. *A Structural Response Prediction Engine to Support Advanced Seismic Risk Assessment.* 11th National Conference on Earthquake Engineering, 2018.

Debock, Wade, Cook, Haselton, Valley, Sabol. *Quantitative Assessments of Code Provisions for Vertical Building Irregularities in Frame Buildings.* 11th National Conference on Earthquake Engineering, 2018.

Debock, Fitzgerald, Cook, Haselton. *New Developments in FEMA P-58 Seismic Risk Assessment of Wood Light-Frame Buildings.* SEAOC Convention Proceedings, 2016.

Cook, Fitzgerald, Chrupalo, Haselton, Baker. *Building Loss Estimation Methods: A Comparison of Methods and Recommendations for the Future*. ATC & SEI, 2nd Conference on Improving the Seismic Performance of Existing Buildings and Other Structure, 2015.

Fitzgerald, Cook, Haselton. *Building Loss Estimation Methods: NSF NEESR Full-Scale Ductile RC Columns Subjected to Collapse-Consistent Loading Protocols: Learning from the Test Data and Recommendations for Simulating Collapse Behavior and Estimating Building Collapse Safety*. ATC & SEI, 2nd Conference on Improving the Seismic Performance of Existing Buildings and Other Structure, 2015.

Haselton, Cook, Fitzgerald, Baker. *Progress on Resilience-Based Seismic Design and Assessment Supported by Advanced Prediction of Building Damage, Repair Cost, and Building Closure Time.* ATC & SEI, 2nd Conference on Improving the Seismic Performance of Existing Buildings and Other Structure, 2015.

Tremayne, Mahin, Anderson, Erceg, Esparza, Jimenez, Krausz, Lo, Lopez, McCurdy, Shipman, Strum, Vega. *Earthquake Engineering for Resilient Communities: 2012 PEER Internship Program Research Report Collection.* PEER 2012/07.