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JENNIFER E. JIRSCHEFSKE, P.E., S.E.
SENIOR CONSULTANT

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Ms. Jirschefske is a Structural Engineer and Senior Consultant for Engineering Systems Inc. (ESi), where she works with the Structural and Civil Engineering team. She has over 10 years of professional structural analysis experience, including extensive experience in seismic design, and the design and construction of steel, masonry, concrete, timber, and light gauge metal buildings. She has led building projects ranging in a multitude of fields, including healthcare, higher education, laboratory, commercial, residential, civic, and parks and recreation. Ms. Jirschefske specializes in the repair of damaged structures, identifying the cause and extent of structural damage and failures, and providing rapid evaluations of structural conditions in the event of a natural disaster such as earthquake, windstorm, or flood.

Ms. Jirschefske also serves as a Professional Mentor for the student chapter of Engineers Without Borders at the University of California, Los Angeles where she led the construction effort of a schoolhouse in Nicaragua. She is also highly skilled in Building Information Modeling (BIM) using Revit Structure, construction document generation using AutoCAD, and has taught AutoCAD workshops at the University of California, Los Angeles.

Areas of Specialization

Structural Repairs and Renovations
Building Damage/ Failure Analysis
Construction Defects
Retaining Wall Analysis
Construction Administration

Building Code Review
Roof Damage Assessments
Foundations Analysis
Building Envelope Investigations
Shoring Design and Evaluation

Education

B.S., Architectural Engineering, California Polytechnic State University San Luis Obispo, 2008

Licensed Structural Engineer (S.E.)

State of California License No. 6291

State of Illinois License No. 081.008820

Licensed Professional Engineer (P.E.)

State of California License No. 79190

State of Colorado License No. 54805

State of Florida License No. 85980

State of Hawaii License No. 18621

State of Idaho License No. 22378

State of Kansas License No. 29286



State of Maryland	License No. 58197
State of Michigan	License No. 6201311936
State of Nevada	License No. 026354
State of South Dakota	License No. 15697
State of Washington	License No. 23022716

Professional Affiliations/Honors

Engineers Without Borders

Member of Los Angeles Professional Chapter, 2017 – present
Professional Mentor for UCLA Student Chapter, 2014 – present
UCLA Mentor of the Year Award, 2016

Women in Construction Operations

Events Committee member, 2014-2015

Board for Professional Engineers, Land Surveyors, and Geologists

Exam Development Committee member, P.E. Seismic Exam, 2012-2013

Structural Engineering Association of California (SEAOC)

Member since 2008

American Society of Civil Engineers (ASCE)

Member since 2011

Positions Held

Engineering Systems Inc., Colorado Springs, Colorado and Seattle, Washington

Senior Consultant, 2018 – present

KPFF Consulting Engineers, Los Angeles, California

Associate, April 2015 – May 2018
Engineer, August 2008 – April 2015
Intern, June 2007 – September 2007

Hilti, Los Angeles, California

Engineering Intern, June 2006 – September 2006

Training and Certification

Emergency Building Assessment – Post-Earthquake Safety Evaluation of Buildings, ATC-20

Applied Technology Council

Emergency Building Assessment – Safety Evaluation of Buildings After Windstorms and Floods,
ATC-45,

Applied Technology Council



DSA Plan Review – Structural (2013 CBC)

District of the State Architect, California

2016 California Building Code Amendments Course – Structural Safety

District of the State Architect, California

Presentations and Courses Taught

“Revit Structure For Engineers”

Internal class instructor at KPFF Consulting Engineers, Los Angeles, California

December 2009 – May 2018

“ConXtech Structural Moment Frame System”

Presented at California Institute of Technology, Pasadena, California, February 2017

“Evolution of Seismic Design Parameters in the International Building Code”

Presented at National Association of Women in Construction (NAWiC) meeting, Los Angeles, California, February 2015

“Demystifying Structural Systems”

Presented a Women in Construction Operations (WiOPS) meeting, Los Angeles, California, August 2014

“AutoCAD Training Workshop”

Workshop instructor, University of California, Los Angeles, May 2014

“Masonry Code Changes – 2010 CBC to 2013 CBC”

Presented at KPFF Consulting Engineers, Los Angeles, California, January 2014