



JENNIFER E. JIRSCHESKE, P.E., S.E.
SENIOR MANAGING CONSULTANT & TEAM LEADER

jejirschefske@engsys.com

Ms. Jirschefske is a Structural Engineer and Senior Managing Consultant for Engineering Systems Inc. (ESi), where she works with the Structural and Civil Engineering group. She has over 16 years of professional structural analysis experience, including extensive experience in the design and construction of steel, masonry, concrete, timber, and light gauge metal buildings, building foundations, retaining walls, and equipment anchorage. 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 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

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|-------------------------------------|-----------------------------------|
| Structural Repairs and Renovations | Building Code Review |
| Building Damage / Failure Analysis | Roof Damage Assessments |
| Construction Defects | Retaining Wall Analysis |
| Building Foundation Analysis | Moisture Intrusion Investigations |
| Concrete Damage Assessment / Repair | 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 Structural 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 – 2022
Professional Mentor for UCLA Student Chapter, 2014 – 2022
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 Managing Consultant & Team Leader, January 2024 – Present

Senior Consultant, 2018 – 2023

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