

Jennifer E. Jirscheske

P.E., S.E.
Senior Managing Consultant, Team Leader



As Ms. Jirscheske is a Structural Engineer and Senior Consultant for Engineering Systems Inc. (ESi), where she works with the Structural and Civil Engineering group. She has over 17 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. Jirscheske 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. Jirscheske 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.

Education

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

Licenses & Certifications

- State of California S.E. License 6291
- State of California P.E. License 79190
- State of Colorado P.E. License 54805
- State of Florida P.E. License 85980
- State of Hawaii P.E. License 18621
- State of Idaho P.E. License 22378
- State of Maryland P.E. License 58197
- State of Nevada P.E. License 026354
- State of South Dakota P.E. License 15697
- State of Washington P.E. License 23022716

Contact Information

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ESi Seattle

700 S Industrial Way
Seattle, Wa 98108

Areas of Specialization

- Structural Repairs and Renovations
- Building Damage/ Failure Analysis
- Construction Defects
- Building Foundation Analysis
- Concrete Damage Assessment/ Repair
- Building Code Review
- Roof Damage Assessments
- Retaining Wall Analysis
- Moisture Intrusion Investigations
- Shoring Design and Evaluation

- State of Texas P.E. License 158886

Languages

- English

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

Continuing Education

- **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

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

Presentations

“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 at Women in Construction Operations (WiOPS) meeting, Los Angles, 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