



700 S Industrial Way, Seattle,  
WA 98108

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

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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**

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

**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

*June 2024*

## **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