

Conrad Paulson | Principal



EDUCATION

- Illinois Institute of Technology
 - Bachelor of Science, Civil Engineering, 1979
- University of Texas at Austin
 - Master of Science, Engineering, 1982

PRACTICE AREAS

- Structural Investigation
- Collapse Investigation
- Seismic Evaluation
- Research and Testing
- Historic Preservation
- Fire Damage Assessment
- Structural Analysis/Computer Modeling

REGISTRATIONS

- Civil Engineer in CA
- Professional Engineer in IA, IL, KS, and VA
- Structural Engineer in IL

AWARDS AND HONORS

- The Association for Preservation Technology International, Anna de Fort-Menares Award, 2014
- The Association for Preservation Technology International, Martin E. Weaver Award, 2014

CONTACT

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EXPERIENCE

Conrad Paulson joined WJE in 1982 and has conducted a wide variety of engineering projects. These projects include structural failure investigation, post-earthquake reconnaissance, seismic structural evaluation, investigation and repair of distressed structures, facade investigations, field load testing of structures, and structural laboratory testing. Mr. Paulson is nationally recognized in the field of historical structural metals and steel bar reinforcement.

Mr. Paulson is a voting member of American Concrete Institute Committee 318B, Structural Concrete Building Code—Reinforcement and Development, and is a Voting Member of American Institute of Steel Construction Specification Task Committee TC 7, Evaluation and Repair. He has published articles and given lectures in the areas of earthquake engineering, structural engineering for historical structural systems, and testing and use of mechanical reinforcing bar splices.

REPRESENTATIVE PROJECTS

Structural Investigation

- Aloha Stadium - Honolulu, HI: Seismic and wind structural safety review of existing stadium and design of structural upgrades
- The Marquette Building - Chicago, IL: Structural investigation and design for vertical expansion

Collapse Investigation

- Los Angeles County Metropolitan Transportation Authority (Metro), Los Angeles, CA: Construction collapse investigation
- National Institute of Standards and Technology - Gaithersburg, MD: Visual observations of the steel recovered from the World Trade Center disaster site

Seismic Evaluation

- Hesketh-Henry - Auckland, New Zealand: Litigation support for collapse of the Canterbury Television Building during the 2011 Christchurch earthquake
- U.S. Department of State - San Salvador, El Salvador: Post-earthquake assessments following January 2001 earthquake

Research and Testing

- Charles Pankow Foundation: Study of yield determination methods and development of new specification for ductile high-strength reinforcing bars
- Various Manufacturers: Acceptance testing of reinforcing bar mechanical splices according to various criteria

Historic Preservation

- Pilgrim Baptist Church - Chicago, IL: Post-fire facade retention system for masonry walls
- The Marquette Building - Chicago, IL: Comprehensive restoration of masonry facade and wood windows

Fire Damage Assessment

- Canadian Natural Resources, Ltd. - Fort McKay, Alberta: Structural inspection of CNRL Horizons fire-damaged industrial plant
- E.R. Rubin - Philadelphia, PA: Structural investigation of fire damage to thirty-eight-story steel-framed high-rise

PROFESSIONAL AFFILIATIONS

- American Concrete Institute, Fellow
- American Institute of Steel Construction
- American Society of Civil Engineers
- Concrete Reinforcing Steel Institute
- Earthquake Engineering Research Institute
- Structural Engineers Association of California
- Structural Engineers Association of Southern California

TECHNICAL COMMITTEES

- ACI318-B - Structural Concrete Building Code: Subcommittee on Reinforcement and Development
- ACI318-R - Structural Concrete Building Code: Subcommittee on High Strength Reinforcement
- AISC TC7 - Structural Steel Specifications Committee - Task Committee on Evaluation and Repair
- AISC TC9 SC8 - Task Committee on Seismic Design, Subcommittee on Evaluation and Retrofit