

John D. Osteraas, Ph.D., P.E.
Group Vice President and Principal Engineer

Professional Profile

Dr. John Osteraas is responsible for Exponent's Civil Engineering, Buildings and Structures, and Construction Consulting Practices. He specializes in the evaluation of the performance of buildings under extreme loads, including earthquake, wind, flood, landslide, explosion, high-energy impact, and construction failure. His research has focused on performance of structures under seismic loading and full-scale instrumentation and testing of structures under dynamic loading. Dr. Osteraas' expertise in structural and earthquake engineering includes structural safety and damage assessment; structural analysis; soil-structure interaction; seismic site response assessment; and analysis and design of wood, steel, concrete, masonry, and composite systems. His geotechnical engineering expertise extends to foundation and retaining structure analysis and design, slope stability analysis, and analysis of soil-structure interaction. Drawing upon his construction experience, he addresses problems of construction failure analysis; design and construction codes and standards; properties, performance, response, and deterioration of construction materials; and repair methodology.

Dr. Osteraas also volunteers as a Structures Specialist with FEMA's Urban Search and Rescue program and has been deployed to New Orleans in 2005, the World Trade Center in 2001, and Oklahoma City in 1995 to assist with search and rescue activities. He was a founding Board Member and Corporate Secretary for Krawinkler Luth and Associates, Inc., a structural design firm, and has held research and consulting positions with the John A. Blume Earthquake Engineering Center at Stanford University, the Counter Quake Corporation, Structural Research Inc., Engineering Research Inc., Marshall Erdman and Associates, and Fel-Pro Energy Systems.

Academic Credentials and Professional Honors

Ph.D., Civil Engineering, Stanford University, 1990

M.S., Civil Engineering: Structural Engineering, Stanford University, 1977

B.S., Civil and Environmental Engineering, University of Wisconsin, Madison, 1976

Distinguished Service Citation, University of Wisconsin – Madison; Chi Epsilon Chapter Honor Member, University of Wisconsin – Madison; Commendation for service following the September 11, 2001 terrorist attack on the United States, Governor's Office of Emergency Services, State of California; Commendation for outstanding service to the Urban Search & Rescue Response System during the Oklahoma City 6th Street bombing incident, April 19, 1995, Governor's Office of Emergency Services, State of California; Outstanding Paper of 1992, American Society of Civil Engineers, Technical Council on Forensic Engineering, *Journal of Performance of Constructed Facilities*; 1989 Student Paper Award, Earthquake Engineering Research Institute; ARCS Foundation Scholar, Stanford University; Certificate of Recognition, National Aeronautics and Space Administration; Senior High Honors, University of Wisconsin

Licenses and Certifications

Registered Professional Civil Engineer, California, #35844
Registered Professional Civil Engineer, Wisconsin, #19023
Registered Professional Civil Engineer, Nevada, #012603
Registered Professional Structural Engineer, Utah, #93-190526-2202
Registered Professional Civil Engineer, Arizona, #CE 012603
Registered Professional Civil Engineer, Oregon, #71158PE
Registered Professional Civil Engineer, Illinois, #062 056070
Registered Professional Civil Engineer, New York, #080356
Registered Professional Civil Engineer, Mississippi, #16955
Registered Professional Civil Engineer, Louisiana, #31972
Registered Professional Civil Engineer, Ohio, #71970
Registered Professional Civil Engineer, Virginia, #049691
Registered Professional Engineer, Michigan, #6201056853
Registered Professional Engineer, New Hampshire, #13242
Registered Professional Structural Engineer, District of Columbia, #PE901799
Structural Engineering Certification Board #1577-0705
National Council of Examiners for Engineers and Surveyors 11393
Licensed General Contractor, California B 628753
Safety Assessment Evaluator, California Office of Emergency Services SAP10006

Publications

Stone H, Barker M, Osteraas J, Hammond DJ. Rescue engineering: Practical aspects of building stabilization in a search and rescue environment. Department of Homeland Security Science and Technology Directorate Building Stabilization Workshop, US Army Corps of Engineers Engineering Research and Development Center, Vicksburg MS, August 25–27, 2009. Proceedings in press.

Osteraas J, Shusto L. Assessment and repair of earthquake damaged woodframe buildings. 3rd Conference on Seismic Hazards in the Eastern San Francisco Bay Area, California State University – East Bay, October 24, 2008. Proceedings in press.

Osteraas J, Gupta, A. Order out of chaos: application of earthquake damage assessment and repair guidelines in loss modeling. Proceedings, 14th World Conference on Earthquake Engineering, Beijing China, October 12–17, 2008.

Osteraas J, Gupta, A, Griffith, M, McDonald, B. Woodframe seismic response analysis – benchmarking with buildings damaged during the Northridge Earthquake. Proceedings, 2008 ASCE Structures Conference, Vancouver BC Canada, April 24–26, 2008.

Osteraas J (ed). General guidelines for the assessment and repair of earthquake damage in residential woodframe buildings. Consortium of Universities for Research in Earthquake Engineering, CUREE Publication No. EDA-02, October 2007. Certificate of Merit, Structural Engineers Association of California 2008 Excellence in Engineering Awards Program.

Osteraas J. Murrah building bombing revisited: A qualitative assessment of blast damage and collapse patterns. *J Performance Constructed Facilities* 2006; 20(4).

Gupta A, McDonald B, Griffith M, Osteraas J. Displacement coefficients for conventional residential wood-frame structures. Proceedings, 8th U.S. National Conference on Earthquake Engineering, San Francisco, CA, April 18–22, 2006.

Gupta A, McDonald B, Alavi B, Osteraas J. Rational seismic evaluation and retrofit design of a multistory RC shear wall structure. Proceedings, 8th U.S. National Conference on Earthquake Engineering, San Francisco, CA, April 18–22, 2006.

Osteraas J, Bonowitz D, Gupta A, McDonald B. Development of guidelines for assessment and repair of earthquake damage in woodframe construction. Paper No. 1580. 13th World Conference on Earthquake Engineering, Vancouver, BC, August 1–6, 2004.

Gupta A, Osteraas J. Improved post-earthquake portfolio loss estimation. Paper No. 1030. 13th World Conference on Earthquake Engineering, Vancouver, BC, August 1–6, 2004.

Arnold A, Uang CM, Osteraas J. Cyclic performance and damage assessment of stucco and gypsum sheathed walls. Paper No. 1484. 13th World Conference on Earthquake Engineering, Vancouver, BC, August 1–6, 2004.

McDonald B, Luth G, Osteraas J. Review of safety factors for assessing column stability in existing braced frame buildings by Brian McDonald. Proceedings, 2004 Structures Congress, The Structural Engineering Institute of the American Society of Civil Engineers, Nashville, TN, May 22–26, 2004.

Osteraas J, Shusto L, McDonald B. Earthquake damage assessment and repair protocols. pp. 209–218. In: *Forensic Engineering: Proceedings, Second Congress*. American Society of Civil Engineers, San Juan, Puerto Rico, May 21–23, 2000.

McDonald B, Bozorgnia Y, Osteraas J. Structural damage claims attributed to aftershocks. pp. 123–131. In: *Forensic Engineering: Proceedings, Second Congress*. American Society of Civil Engineers, San Juan, Puerto Rico, May 21–23, 2000.

Osteraas J, Shusto L, McDonald B. Engineering involvement in post-Northridge damage assessment and repair of wood-frame dwellings. Paper Number 2593. 12th World Conference on Earthquake Engineering, Auckland, New Zealand, January 30–February 4, 2000.

Hinman E, Durkin M, Osteraas J. Preliminary analysis of casualties resulting from the Oklahoma City bombing. Prepared for The Blast Injuries Study Group, Oklahoma State Department of Health, Oklahoma City, OK. Exponent Failure Analysis Associates, Menlo Park, CA, 1996.

Osteraas J, Barrett R. Multimedia in dispute resolution. *The Construction Specifier* 1996; 49(1):20–25.

Osteraas J (contributor). Northridge earthquake of January 17, 1994, Reconnaissance Report. Vol. 2 Supplement C to Volume 11, Earthquake Spectra. Earthquake Engineering Research Institute, Oakland, CA, 1996.

Osteraas J (editorial committee). Japan—The great Hanshin earthquake. Risk Management Solutions, Inc., and Failure Analysis Associates, Inc., 1995.

Ross B, Johnston P, Osteraas J, Barrett R. Catastrophic collapse of a tower crane due to sequential failure of truss members. 3rd International Symposium on Structural Crashworthiness and Failure, University of Liverpool, UK, April 14–16, 1993.

Moncarz P, Hooley R, Osteraas J, Lahnert B. Analysis of stability of L'Ambiance plaza lift-slab towers. *Journal of Performance Constructed Facilities* 1992; 6(4).

Nassar A, Osteraas J, Krawinkler H. Seismic design based on strength and ductility demands. Proceedings, Tenth World Conference on Earthquake Engineering, pp. 5861–5866, Madrid, Spain, July 19–24, 1992.

Krawinkler H, Nassar A, Osteraas J. Ductility and strength demands for seismic design. Proceedings, American Society of Civil Engineers Structures Congress, pp. 211–219, Indianapolis, IN, April 29–May 1, 1991.

Ross B, Osteraas J, Moncarz P. The Loma Prieta earthquake—a pictorial essay with engineering comment. The Second Pan American Congress of Applied Mechanics, Valparasio, Chile, January 1991.

Osteraas J. Strength and ductility considerations in seismic design. Dissertation, Stanford University, 1990; also John A. Blume Earthquake Engineering Center Report No. 90, Department of Civil Engineering, Stanford University, August 1990.

Osteraas J, Krawinkler H. The Mexico earthquake of September 19, 1985—Behavior of steel buildings. *Earthquake Spectra* 1989; 5(1):51–88; also *Costruzioni Metalliche* 1990; Part 1 XLII(2), Part 2, XLII(3).

Krawinkler H, Osteraas J. Seismic design based on strength of structures. Proceedings, Fourth U.S. National Conference on Earthquake Engineering, Palm Springs, CA, Earthquake Engineering Research Institute, Vol. 2, pp. 955–996, El Cerrito, CA, May 1990.

Moncarz P, Thomas J, Osteraas J. Quality of constructed facilities: Definition of safety, serviceability and economy in engineering decisions. Proceedings, 33rd Meeting of the International Committee on Industrial Chimneys (CICIND), Barcelona, Spain, April 19–20, 1990.

Osteraas J, Krawinkler H. Pino Suarez—Implications for modern steel structures. Earthquake Engineering Research Institute Annual Meeting, San Francisco, CA, February 9, 1989.

Krawinkler H, Osteraas J. Steel building design. Seminar on Evolving Earthquake Hazard Mitigation Practices, 1998 Annual Meeting, Earthquake Engineering Research Institute, Mesa, AZ, February 4, 1988.

Moncarz P, Osteraas J, Wolf J. Designing for maintainability. Civil Engineering 1986.

Moncarz P, Osteraas J, Wolf J. Impact of design/construction/maintenance practices on structural deterioration. Proceedings, Structural Division of the American Society of Civil Engineers Convention 1985, Seattle, WA, April 1986.

Osteraas J (contributor). Earth sheltered housing. G. Klodt, Reston Publishing Co., 1985.

Moncarz P, Osteraas J, Curzon A. Modeling of reinforced concrete containment structures. Proceedings, Design of Concrete Structures The Use of Model Analysis, Joint Institution of Structural Engineers/B.R.E. Seminar Elsevier Applied Science Publishers, London, England, November 1984.

Moncarz P, Osteraas J. Major considerations in scale modeling of reinforced concrete containment structures. American Society of Civil Engineers Conference on Structural Engineering in Nuclear Facilities, Raleigh, NC, September 10–12, 1984.

Moncarz P, Osteraas J. Structural aspects of leakage in reinforced concrete containments—Experimental approach. Proceedings, 2nd Workshop on Containment Integrity, Sandia National Laboratories, June 1984.

Osteraas J (contributor). A review of fracture mechanics life technology. National Aeronautics and Space Administration Report, NAS 8-34746, September 1983.

Peyrot A, Lee J, Jensen H, Osteraas J. Application of cable elements concept to a transmission line with cross rope suspension structures. Institute of Electrical and Electronics Engineers, Transaction on Power Apparatus and Systems, July 1981.

Lee J, Peyrot A, Dupuis R, Osteraas J. Research considerations for the transmission line mechanical research facility. Electric Power Research Institute Report, EPRI TPS 80-719, 1980.

Osteraas J. Loads on wood-frame structures—A literature review. U.S. Forest Products Laboratory Internal Report, 1976.

Osteraas J. Structural potential of a Douglas-fir veneered urea-bonded extruded particleboard ('plyboard'). U.S. Forest Products Laboratory Internal Report, 1974.

Presentations

Osteraas J, Hammond DJ. Multi-hazard post-disaster safety assessment training for evaluators. Naval Facilities Engineering Command (NAVFAC), Jacksonville FL, April 27, 2009; San Diego, CA, July 14, 2009; Great Lakes, IL, August 18, 2009; Norfolk VA, Sept 9, 2009; Pearl Harbor, HI, September 15, 2009.

Osteraas J. Challenges with going green: what can go wrong? Prospective failure analysis. Property Claims Association of the Pacific Annual Convention, Sacramento CA, September 10, 2009.

Osteraas J. Earthquake damage assessment and repair. PLRB/LIRB Claims Conference and Insurance Services Expo, Seattle WA, March 24, 2009; Boston MA, April 14, 2008; Orlando FL, March 20, 2007; Nashville, TN, April 4, 2006; San Antonio, TX, April 19, 2005.

Osteraas J. Engineering response to catastrophic workplace accidents. Oregon Governor's Occupational Safety and Health Conference, Portland OR, March 12, 2009.

Osteraas J. Earthquake damage assessment and repair. AllCat Claims Services Training Seminar, San Antonio TX, February 26, 2008.

Osteraas J. Earthquake damage assessment and repair. National Association of Catastrophe Adjusters 33rd Annual Convention, Las Vegas NV, January 22, 2009.

Osteraas J. Lessons from failures great and small. AIA Nevada - Triptych Design Conference, Olympic Valley CA, November 7, 2008.

Osteraas J. ATC-20 procedures for post-earthquake safety evaluations of buildings. Featured Speaker, Structural Engineers Association of Northern California Disaster Emergency Services Committee Safety Assessment Workshop, Santa Clara University, November 1, 2008; University of California - Berkeley, October 22, 2006; The Presidio, San Francisco CA, May 2, 2004; Exponent, Menlo Park CA, August 12, 2003; Santa Clara University, October 5, 2002; The Presidio, San Francisco CA, May 3, 2001; University of California - Berkeley, March 20, 1999.

Osteraas J. Assessment and repair of earthquake damaged woodframe buildings. Third Conference on Seismic Hazards in the Eastern San Francisco Bay Area, California State University - East Bay, October 24, 2008.

Osteraas J. Order out of chaos: application of earthquake damage assessment and repair guidelines in loss modeling. 14th World Conference on Earthquake Engineering, Beijing China, October 14, 2008.

Osteraas J. Earthquake damage assessment and repair. California Earthquake Authority Claim Manager Meeting, Sacramento CA, May 7, 2008.

Osteraas J. Woodframe seismic response analysis – benchmarking with buildings damaged during the Northridge Earthquake. 2008 ASCE Structures Conference, Vancouver BC, April 26, 2008.

Osteraas J. For want of a nail and other tales of engineering failure. Stanford University, January 30, 2008.

Osteraas J. The view from Ground Zero—Rescue, recovery, and reconstruction at the World Trade Center. Stanford University, November 8, 2007; Stanford University, November 10, 2005; MIT Club of Northern California, Menlo Park, CA, November 9, 2005; O’Hagan, Smith & Amundsen, Chicago IL, January 28, 2004; Federation of Defense and Corporate Counsel, Quebec Canada, August 1, 2003.

Osteraas J. Designing for failure—Lessons for California (?) courtesy of Katrina. Earthquake Engineering Research Institute 2007 Annual Meeting, Los Angeles CA, February 9, 2007; Stanford University, Stanford, CA, January 10, 2007; Structural Engineers of Northern California, Mountain View, CA, October 12, 2006.

Osteraas J. Evaluation and repair of earthquake damage in woodframe buildings. 8th U.S. National Conference on Earthquake Engineering, San Francisco, CA, April 18–22, 2006.

Osteraas J. Post-earthquake building assessment. 8th U.S. National Conference on Earthquake Engineering, San Francisco, CA, April 18–22, 2006.

Osteraas J. Overview of earthquake effects. IEEE Disaster Recovery Workshop, San Francisco CA, March 30, 2006.

Osteraas J. CUREE earthquake damage assessment project update. CEA Claims Liaison Meeting, Sacramento, CA, October 13, 2005.

Osteraas J. Urban search and rescue in the United States. International Diplomacy Council, Natural Disaster Response Group, San Francisco, CA, June 20, 2005.

Osteraas J. Pino Suárez collapse after 20 years—What have we (not) learned? Earthquake Engineering Research Institute 2005 Annual Meeting, Ixtapa, Mexico, February 5, 2005.

Osteraas J, Hammond DJ. The rescue engineer’s new reality—Recent changes and deployments in the FEMA US&R response system. Structural Engineers of Northern California, San Francisco, CA, December 12, 2004.

Osteraas J. Engineering damage assessment and repair for residential construction. Pacific Earthquake Engineering Research Center (PEER) Earthquake Engineering Scholars’ Course, University of California – Los Angeles, November 6, 2004.

Osteraas J. Development of guidelines for assessment and repair of earthquake damage in woodframe construction. 13th World Conference on Earthquake Engineering, Vancouver, BC, August 3, 2004.

Osteraas J, Arnold AE. Cyclic behavior and repair of woodframe walls with finish materials. 13th World Conference on Earthquake Engineering, Vancouver, BC, August 2, 2004.

Osteraas J. Rescue engineering response to 9/11. Stanford University, Department of Civil Engineering, May 3, 2004, May 5, 2003, April 22, 2002.

Osteraas J. Earthquakes and the damage they cause. 2004 PCS Catastrophe Conference—Challenges from Coast to Coast, Hilton Long Beach Hotel, Long Beach CA, April 26, 2004.

Osteraas J. Earthquakes I: engineering assistance with post-earthquake damage assessment. PLRB/LIRB Claims Conference and Insurance Services Expo, Chicago IL, March 16, 2004.

Osteraas J. CUREE-CEA woodframe project. EERI Southern California Chapter, University of Southern California, Los Angeles CA, November 19, 2003.

Osteraas J. Catastrophe response: Lessons from Northridge. LHB Pacific Law Partners Fall Symposium, Pan Pacific Hotel, San Francisco CA, October 23, 2003.

Osteraas J. Pathology and lessons of the World Trade Center disaster. San Francisco Public Utilities Commission Noon Seminar, San Francisco CA, September 11, 2002.

Osteraas J. Why buildings collapse: From natural disasters to terrorist attacks. Tempo—Madison, Madison WI, July 9, 2002.

Osteraas J. Urban search and rescue response to 9/11. Western Construction Consultants Association, Alameda CA, April 17, 2002.

Osteraas J. Urban search and rescue: New York City/Oklahoma City. Structural Engineers Association of Northern California Special Seminar: Synopsis of the September 11, 2001, World Trade Center Attack and Recovery, San Francisco CA, January 31, 2002; San Francisco Fire Department and Structural Engineers Association of Northern California, Structural Integrity of High-Rise Buildings, San Francisco CA, November 28, 2001.

Osteraas J. Measure twice, cut once: Lessons from failures large and small. National Council of Structural Engineers Associations, Structural Engineering Winter Institute, Phoenix AZ, January 21, 2002.

Osteraas J. Assessment and repair of earthquake damage in residential buildings. Costa Mesa CA, November 15, 2001; California Earthquake Authority Seminar, Sacramento CA, October 30, 2001.

Osteraas J. Seismic building codes. Stanford University, Department of Geophysics, Stanford CA, November 1, 2001; November 2, 2000.

Osteraas J. Structural pathology of the Murrah Building bombing. Stanford University, Department of Civil Engineering, Stanford CA, May 7, 2001; California Institute of Technology Department of Civil Engineering, Pasadena CA, February 22, 2001.

Osteraas J. Reducing failures through computer graphics—A demonstration. Civil Engineering Research Foundation, Washington, DC, April 25, 2001.

Osteraas J. Working with experts—One expert's perspective. National Asian Pacific American Bar Association Twelfth Annual Convention, Washington, DC, October 13, 2000.

Ross B, Osteraas J, Luth G, Bozorgnia Y. Seismic collapse of reinforced concrete towers at Royal Palm Resort, Guam, USA. 25th Anniversary Conference on Our World in Concrete and Structures, Singapore, August 22–24, 2000.

Osteraas J. Oklahoma City bombing—The limits of engineering. Stanford University, Department of Civil Engineering, April 24, 2000; May 18, 1998.

Osteraas J. The Oklahoma City bombing—Pushing the limits of engineering. Structural Engineers Association of Arizona, Phoenix, AZ, May 18, 1999.

Osteraas J. Decay and death in San Francisco—Consulting in the criminal arena. Lessons Learned in Forensic Engineering, Fourth Annual Seminar on Issues in Forensic Engineering, ASCE Forensic Engineering Technical Group, Los Angeles Section, University of California, Irvine, CA, May 7, 1999.

Osteraas J. Multimedia in construction dispute resolution. The Nuts and Bolts of Nuts and Bolts, Association of Defense Counsel of Northern California Seminar, San Jose, CA, April 23, 1999.

Osteraas J. Performance of structures under extreme loads. Stanford University, Department of Civil Engineering, May 26, 1997.

Osteraas J. Lesser known collateral seismic hazards. Seismic Hazard Analysis Short Course, Association of Engineering Geologists, Menlo Park, CA, May 3, 1997.

Osteraas J. Structural failures: Four case studies. Stanford University, Department of Aeronautics and Astrophysics, May 20, 1996.

Osteraas J. Structural safety and damage assessment. Stanford University, Department of Civil Engineering, May 6, 1996; May 8, 1995.

Osteraas J. Shake, rattle, and roll—What you need to know about the Big One. 31st All-Industry Insurance Conference, Risk and Insurance Management Society, Washington Chapter, Seattle, WA, March 12, 1996.

Osteraas J. The Great Hanshin earthquake. Uninterruptible Uptime Users Group, Fall Conference, San Diego, CA, November 15–17, 1995.

Osteraas J. Observations of Kobe and Mexico with implications for California. American Concrete Institute, Northern California and Western Nevada Chapter Meeting, Oakland, CA, November 14, 1995.

Osteraas J. Oklahoma City Murrah Building structural lessons. 24th Annual ASCE Structural Design Conference, Ames, IA, November 13, 1995.

Osteraas J. Earthquake update. Claims Conference of Northern CA, Sacramento, CA, October 5–6, 1995.

Osteraas J. The Great Hanshin earthquake. American Petroleum Institute Crisis Management Seminar, Houston, TX, September 25–27, 1995.

Osteraas J. Earthquake engineering: Reality meets insurance company expectations. International Institute of Loss Adjusters, Inc., Annual Convention, San Rafael, CA, September 24–29, 1995.

Osteraas J. The Kobe, Japan, earthquake—A preview of a future California temblor? Risk Insurance Management Society, Santa Clara Valley Chapter Meeting, May 11, 1995.

Osteraas J. Kobe event report. Disaster Recovery Journal's Sixth Annual Corporate Contingency Planning Seminar and Exhibition, San Diego, CA, March 27–29, 1995.

Osteraas J. Japan's Great Hanshin earthquake event report. Business Recovery Managers Association Meeting, San Ramon, CA, March 23, 1995; Loss Executives Association Mid-Winter Meeting, Tampa, FL, January 26–27, 1995.

Osteraas J, Johnston P. Case studies in failure analysis. Stanford University, Department of Civil Engineering, February 15, 1995.

Osteraas J. Northridge: Earthquake engineering theory meets earthquake insurance reality. Loss Executives Association Mid-Winter Meeting, Tampa, FL, January 26–27, 1995.

Osteraas J. Failures in the design and construction process. Stanford University, Department of Aeronautics and Astrophysics, May 22, 1995, May 9, 1994.

Osteraas J. 1994 Property Claim Services Catastrophe Conference: Preparing for the California Earthquake, San Francisco, CA, April 18–20, 1994.

Osteraas J. Regulatory ordinances: The role of codes and standards, their evolution and mechanisms for correct implementation. Stanford University, Department of Civil Engineering, May 2, 1994; May 3, 1993; April 27, 1992; April 29, 1991.

Osteraas J. Technical aspects of earthquakes. International Institute of Loss Adjusters, Inc., Singapore, October 23, 1992 (via videotape).

Osteraas J. Technical and historical aspects of earthquakes. Mt. Diablo Property Association, Pleasant Hill, CA, June 10, 1992; Earthquake, A Continuing Education Seminar, The Property Claims Association of the Pacific, May 6, 1992.

Osteraas J. Construction failure retrospective. Allianz Insurance Company, San Francisco, CA, July 17, 1991.

Osteraas J. Civil PE review: Timber design and seismic design. Professional Engineering Institute, January 30 and February 6, 1991.

Osteraas J. The eastern U.S. seismic hazard. 59th Annual Meeting, Loss Executives Association, Whitehaven, PA, June 13–15, 1990.

Osteraas J. The role of codes and standards in failure prevention. Stanford University, Department of Civil Engineering, May 7, 1990.

Osteraas J. Predicting seismic performance of buildings. Allianz Insurance Company, Los Angeles, CA, December 6, 1989.

Osteraas J. The magnitude and intensities of earthquakes. Mt. Diablo Property Association, Pleasant Hill, CA, July 12, 1989.

Osteraas J. Geotechnical engineering for structural engineers. Stanford University, Department of Civil Engineering, April 17, 1989.

Osteraas J. Geotechnical causes of structural failures. Stanford University, Department of Civil Engineering, April 25, 1988.

Osteraas J. Implications of recent structural failures. University of California, Berkeley, Department of Architecture, April 19, 1988.

Osteraas J. Learning from structural failures. University of California, Berkeley, Department of Architecture, May 5, 1987.

Osteraas J. Performance evaluation of steel structures in Mexico City. Blume Center Affiliates Meeting, April 24, 1987.

Osteraas J. Review committee member for Naked City. American Iron and Steel Institute Hands on Steel Project, University of California, Berkeley, Department of Architecture, October 29, 1982.

Professional Affiliations

- American Society of Civil Engineers (Fellow; editorial board member *Journal of Performance of Constructed Facilities*)
- Structural Engineers Association of Northern California (Member and Director)
- Earthquake Engineering Research Institute (Member)
- EERI Northern California Chapter (Member and Director 2005–2008)
- International Code Council (Professional Member)