

Yumei Wang, P.E.
Resilience Engineer
Oregon Department of Geology and Mineral Industries, Portland Office

800 NE Oregon St., Suite 965
Portland OR 97232
phone: 503-913-5749
fax: 971-673-1562
email: yumei.wang AT oregon.gov



[In the News...](#)

[Video Presentations](#)

[Links](#)

[Background Information](#)

[Research Interests](#)

[Selected Publications](#)

[Selected Invited Presentations](#)

[Selected Awards, Recognition, and Events](#)

Yumei Wang is a civil/geohazards engineer at the Oregon Department of Geology and Mineral Industries (DOGAMI). She has since 1994 focused on building resilience to natural hazards. She currently serves on the National Academies liquefaction committee, has been an advisor to the National Earthquake Hazards Reduction Program (NEHRP), to the 2013 FEMA-funded tsunami methodology development project and to the 2013 Oregon Resilience Plan, and has taken part in post-earthquake damage assessments including the 2011 Tohoku, Japan and 2010 Maule, Chile disasters. Wang has been a guest on PBS NewsHour, been interviewed by The New York Times, and appeared in documentaries produced by NOVA, National Geographic, and Discovery. Wang served as a Congressional Fellow in the U.S. Senate in Washington DC, and worked as a geotechnical consultant in California, including on the 1989 Loma Prieta earthquake.

In the News...

- 2014 Scoggins Dam open house news
<http://www.pamplinmedia.com/fgnt/36-news/207439-64419-wall-of-water>
- 2013 Oregonian front page article on earthquake risk to energy sector
http://www.oregonlive.com/environment/index.ssf/2013/09/oregons_energy_hub_on_the_will.html#incart_m-rpt-1
- 2013 KGW news on Commissioner Steve Novick's earthquake retrofit
<http://www.kgw.com/news/local/Novic-retrofits-his-SE-Portland-home-to-withstand-the-Big-One-220752101.html>
- 2012 KBOO Portland Prepared Radio Interview: Portland Prepared
<http://www.kboo.fm/node/50061>
- 2012 Earthquake Risk Study for Oregon's Critical Energy Infrastructure Hub Report
<http://cms.oregon.gov/puc/docs/DOGAMICEIHubreport-8-1-12-R1.pdf>
- 2012 Downtown Portland Walking Tour ([link to guidebook](#))
- 2011 NOVA Deadliest Earthquakes http://www.youtube.com/watch?v=SPbLpE5tQ_A&playnext=1&list=PL60E9D07361D91F0D&feature=results_main
- 2010 Oregon Business Magazine, contributor to article, <http://www.oregonbusiness.com/articles/92-november-2010/4301-portland-is-unprepared-for-a-big-earthquake>
- "First U.S. Tsunami Shelter Planned as Earthquake Looms", October 23, 2009 *National Geographic* Newsarticle by Richard A. Lovett
- 2009 Portland Monthly magazine interview, March issue, "In the Zone"
<http://www.portlandmonthlymag.com/issues/archives/articles/0309-quakes/>

- 2008 Jim Lehrer Newshour (7/25/08) on Wenchuan earthquake and Oregon schools http://www.pbs.org/newshour/bb/science/july-dec08/quakespending_07-25.html
- 2008 NY Times (5/27/08) "Turning schools from Death Traps into Havens" and more <http://www.nytimes.com/2008/05/27/science/27school.html?pagewanted=all>

Video Presentations

- [2011 Portland State University Earthquake Symposium](#) (YouTube)
- [Earthquake Safety Laws and Seismic Rehabilitation Grant Program](#) (features Oregon Senate President Peter Courtney) (YouTube; 8 min; 14.5 MB)
- [Earthquake Risk Management](#) (Seismic mitigation program for Oregon university buildings) (YouTube; 10 min; 17 MB)
- [Earthquake Sources](#) (YouTube; 7 min; 13 MB)
- [Earthquake Hazards](#) (YouTube; 5 min; 9 MB)
- [Tsunami Evacuation Buildings](#) (YouTube; 9 min; 16.5 MB)
- [Portland Hotspot: Critical Energy Infrastructure](#) (YouTube; 10 min; 17.5 MB)

Links

- [BBC programme: The Next Megaquake](#)
- [The Pacific Northwest Seismograph Network](#)
- [FEMA Pre-Disaster Mitigation Grant Program](#)
- [USGS - Latest Earthquakes in the World](#)
- [USGS PAGER - Prompt Assessment of Global Earthquakes for Response](#)
- [USGS Landslide Hazards](#)
- [American Society of Civil Engineers](#)
- [Western States Seismic Policy Council](#)
- [National Earthquake Hazards Reduction Program \(NEHRP\)](#)
- [Cascadia Region Earthquake Workgroup \(CREW\)](#)

Background Information

Advisory Boards and Commissions:

- Applied Technology Council's Earthquake-Resilient Lifelines Project, 2013-2014
- American Society of Civil Engineering (ASCE) chair, advisor and fellow
- Cascadia Region Earthquake Workgroup (CREW), Board member, since 2007
- Earthquake Engineering Research Institute (EERI)
 - Seismic School Safety Committee, Vice Chair, since 2012, co-founder 2010
- Oregon Seismic Safety Policy Advisory Commission, past chair (2000), member 1997-2011
- Oregon State University, President's Diversity Board, since 2009-2012
- National Earthquake Hazards Reduction Program (NEHRP) Advisory Committee on Earthquake Hazards Reduction (ACEHR), since inception 2007-2012
- National Institute of Building Sciences' HAZUS Tsunami Methodology Development, 2012-2013
- National Research Council's liquefaction assessment committee, 2013- 2015
- Natural Hazards Review, Engineering Editor, since 2009
- Western States Seismic Policy Council, Board affiliate member (since 1998)

Registration:

Registered Professional Engineer, Oregon

Education:

M.S. Civil Engineering, geotechnical engineering emphasis, Univ. of CA, Berkeley
B.A. Geological Sciences, computer science minor, Univ. of CA, Santa Barbara

Research Interests

- Geotechnical engineering and geology
- Geologic hazards analyses and risk reduction
- Sustainability involving natural hazards and infrastructure
- Science, engineering, and technology policy

Selected Publications

Wang, Yumei, 2010, "Earthquake Risk Management Approaches for Civic and Critical Lifeline Infrastructure: Applications in Oregon," Proceedings to China-USA Symposium for the Advancement of Earthquake Sciences and Hazard Mitigation Practices, Beijing & Mianyang, China.

Wang, Yumei, 2010, "Tsunami Evacuation Building Workshop, September 28-29, 2009, Cannon Beach, Seaside, and Portland, Oregon," Oregon Department of Geology and Mineral Industries, DOGAMI Open-File Report O-10-02, on CD.

Wang, Yumei, 2010, "Oregon's Seismic Rehabilitation Grant Program: aka Courtney Grants," 9th US National and 10th Canadian conference on earthquake engineering: reaching beyond borders, Jul 2010, Toronto, CN.

Tesfamariam, Solomon, Y. Wang and M. Saatcioglu, 2010, "Risk-based Seismic Retrofit Prioritization of Reinforced Concrete Civic Infrastructure: Case Study for State of Oregon Schools and Emergency Facilities," 9th US National and 10th Canadian conference on earthquake engineering: reaching beyond borders, July 2010, Toronto, CN.

Tang, A and Schiff A, 2010, Wang, Yumei (as contributor) in "Kashiwazaki, Japan Earthquake of July 16, 2007 Lifeline Performance", ASCE TCLEE monograph 31.

Wang, Y., 2009, "Lifeline Resiliency: A Look at Earthquake Risk in Portland, Oregon", ASCE American Society of Civil Engineers Technical Council on Lifeline Earthquake Engineering Conference, Jun 28- Jul 1, 2009, Oakland, CA

Wang, Y., and VanMarcke, E., 2009, White Paper on "Surviving Natural Disasters: Can Civil Engineers Build Safe Communities?," in Infrastructure Risk Management Processes: Natural, Accidental, and Deliberate Hazards, Council on Disaster Reduction, Craig Taylor (ed), Presented at the International Disasters Roundtable at the American Society and Civil Engineers national conference in Los Angeles, CA, October 25, 2005

Barnett, E.A., Weaver, C.S., Meagher, K.L., Haugerud, R.A., Wang, Z., Madin, I.P., Wang, Y., Wells, R.E., Blakely, R.J., Ballantyne, D.B., and M. Darienzo, 2009, Earthquake Hazards of lifelines along the Interstate 5 Urban Corridor: Woodburn, Oregon, to Centralia, Washington: U.S. Geological Survey Scientific Investigations Map 3027. Earthquake Hazards of lifelines along the Interstate 5 Urban Corridor: Cottage Grove to Woodburn, Oregon: U.S. Geological Survey Scientific Investigations Map 3028.

Wang, Y., 2008, "Cascadia's Multi-Hazard Environment," 14th World Conference on Earthquake Engineering, October 12-17, 2008, Beijing, China.

Wang, Y., and Gonzalez, JR., 2008, "Oregon Public Utilities Commission–Oregon Department of Geology and Mineral Industries Leadership Forum and Seismic Critical Energy Infrastructures Workshop", April 2, 2008, Oregon Department of Geology and Mineral Industries, O-08-10.

Strategic Plan for the National Earthquake Hazards Reduction Program (NEHRP) Fiscal Years 2009-2013 Wang, Y. (ACEHR contributing author), October 2008.

NEHRP annual report, Wang, Y. (Advisory Committee on Earthquake Hazards Reduction ACEHR contributing author), 2008, "Effectiveness of the National Earthquake Hazards Reduction Program, A Report from the Advisory Committee on Earthquake Hazards Reduction, May 2008"

Burns, W.J., Hofmeister, R.J., and Wang, Y., 2008. Geologic Hazards, Earthquake and Landslide Hazard Maps, and Future Earthquake Damage Estimates for Six Counties in the Mid-Willamette Valley Including Yamhill, Marion, Polk, Benton, Linn, and Lane Counties and the City of Albany, Oregon, Oregon Department of Geology and Mineral Industries, Interpretative Map Series IMS 24.

Lo, R. and Wang, Y., 2008, "Geoscience and Geotechnical Aspects of Recent Earthquakes", ASCE Geoinstitute's IV Geotechnical Earthquake Engineering and Soil Dynamics Conference, May 18-22, 2008, Sacramento, CA.

Wang, Y., 2008, "Optimizing Earthquake Risk Management for Civic and Critical Infrastructure", National Earthquake Conference, Understanding Earthquakes: from Research to Resilience, April 22-26, 2008 Seattle WA (www.earthquakeconference.org)

Strand, C. and Masek, J. (editors), Wang, Y. (contributing author), 2007, "Sumatra-Andaman Islands Earthquake and Tsunami of December 26, 2004": in American Society and Technical Council on Lifeline Earthquake Engineering (TCLEE) monograph #30.

Wang, Y., and Goettel, K, 2007, "Enhanced Rapid Visual Screening (E-RVS) Method for Prioritization of Seismic Retrofits of in Oregon," Oregon Department of Geology and Mineral Industries, Special Paper 39.

Wang, Y., and Heathman C., 2007, "Portland State University Montgomery Residence Hall Seismic Rehabilitation Demonstration Project, Oregon Department of Geology and Mineral Industries, O-07-04.

Wang, Y., and Heathman C., 2007, "Portland State University Ondine Residence Hall Seismic Rehabilitation Demonstration Project, Oregon Department of Geology and Mineral Industries, Special Paper 38.

Burns, W.J., and Wang, Y., 2007, "2007 Landslide Symposium Proceedings and Field Trip Guide: New Tools and Techniques for Developing Regional Hazard Maps and Future Risk Management Practices", Oregon, Oregon Department of Geology and Mineral Industries, OFR O-07-6.

Wang, Y., and Burns, W.J., 2006. Case History on the Oregon G.O. Bond Task Force: Promoting Earthquake Safety in Public Schools and Emergency Facilities. 100 Anniversary Earthquake Conference: Commemorating the 1906 San Francisco Earthquake. Proceedings and Oral Presentation, Program, p.134.

Wang, Y., and Chaker, A., 2005, "A Preliminary Study of Geologic Hazards for the Columbia River Transportation Corridor," in Security/Manmade Mitigation, Response, Recovery session, Craig Taylor (ed), American Society and Civil Engineers national conference in Baltimore, MD, October 20-23, 2004.

Wang, Y., 2004, "Oregon's Schools and Emergency Facilities—from Awareness to Action," Western States Seismic Policy Council, Spring/Summer 2004, p. 4-9, (also in proceedings of National Earthquake Conference, St Louis, MO, September 2004).

Edwards, C.L. (editor), Wang, Y. (contributing author), 2004, "Zemmouri, Algeria Mw6.8 earthquake of May 21, 2003," American Society of Civil Engineers Technical Council on Lifeline Earthquake Engineering monograph No 27.

Barnett, E.A., Weaver, CS, Meagher, KL, Wang, Z, Madin IP, Wang, M, Haugerud, RA, Wells, RE, Ballantyne, DB, Darienzo, M, and the Southern Willamette Valley Working Group, 2004, "Lifelines and Earthquake Hazards in the Interstate 5 Urban Corridor: Cottage Grove to Woodburn, Oregon, US Geological Survey, Open File Report 2004-1052 v1.0, poster and map.

Wang, Y., Hasenberg, C.S., Harguth, V., 2004, "Earthquake Safety and Sidewalk Survey Scores in Clackamas County Schools, Clackamas County, Oregon, 2004, Oregon Department of Geology and Mineral Industries Open File Report O-04-16.

Wang, Y., and Chaker, 2004, "Geologic Hazards Study for the Columbia River Transportation Corridor," Oregon Department of Geology and Mineral Industries Open File Report O-04-08, 34 pages.

Salah-Mars, S., Fenton, C., Bendimerad, F., Belarbi, A., Wang, Y., 2004, "Preliminary Observations of Geotechnical Failures During the 21 May 2003 M6.8 Boumerdes Earthquake, Algeria," Proceedings: Fifth International Conference on Case Histories in Geotechnical Engineering, New York, NY, April 13-17, 2004.

Wang, Y., and Scofield, D.H., 2004, "Columbia River Waterway Risks," Proceedings: American Society of Civil Engineers Coastal Structures Conference, Portland, OR, August 26-30, 2003, pp1286-1298.

Wang, Y., Edwards, C., Yashinsky, M., Kartoum, A., Hamdache, M., 2004, "May 21, 2003 Zemmouri, Algeria Earthquake: Geosciences and Lifeline Damage," Proceedings: 11th International Conference on Soil Dynamics & Earthquake Engineering, and 3rd International Conference on Earthquake Geotechnical Engineering, Berkeley, CA, USA, January 7-9, 2004, pp 278-285.

Hofmeister, R.J., Hasenberg, C.S., Madin, I.P., and Wang, Y., 2003, Earthquake and Landslide Hazards in Clackamas County, Oregon Department of Geology and Mineral Industries, Open File Reports O-03-09 and O-03-10.

Priest, G.R., Allan, J.C., and Wang, Y. 2003, "Review of Geologic Report for Surfrider Reesort Proposal, Lincoln, County, Oregon OPRD Permit #BA-555-03, Oregon Department of Geology and Mineral Industries Open File Report O-03-08.

Wang, Y., Summers, R.D., and Hofmeister, J., 2002, Landslide losses in Oregon, Oregon Department of Geology and Mineral Industries: Open File Report O-02-05, 46 p.

Wang, Y., 2002, The Importance of Politics in Engineering: Lessons From a Hands-on Experience, ASCE Leadership and Management in Engineering, American Society of Civil Engineers, v2, no 3, p. 27-32.

Wang, Y., Hofmeister, R.J., McConnell, V., Burns, S., Pringle, P., and Peterson G., 2002, Columbia River Gorge Landslides, Geological Society of America, Oregon Department of Geology and Mineral Industries: Special Paper 36.

McDonough, P., Byers, WG, Strandart, Yashinsky, M, Lo, R, Ballantyne, DB, Schiff, A., Wang, Y., 2002, The Nisqually, Washington Earthquake of February 28, 2001- Lifeline Performance. TCLEE Monograph # 20, American Society of Civil Engineers.

Wang, Y., 2001, Is Potomac Fever Incurable?, AEG News: Association of Engineering Geologists, vol 44, no 6, p 11-13.

Wang, Y., 2001, Dress rehearsal for the Big One, Geotimes: American Geologic Institute, vol 46, no 5, p 19-22.

Wang, Y., Hofmeister, R.J., Graham, G., Clark, L., Beck, N., Peltz, T., Darienzo, M., Elliott, W., and Hasenberg C., 2001, The Nisqually, Washington, Earthquake of February 28, 2001. Summary Report, Oregon Department of Geology and Mineral Industries: Open File Report O-01-02.

Theodoropoulos, C., and Wang, Y., 2001, The HAZUS-RVS Form: A new HAZUS-compatible rapid visual screening form for buildings: Oregon Department of Geology and Mineral Industries: Oregon Geology, v. 63, No 1, p 3 - 12.

Wang, Z. and Wang, Y., 2000, Earthquake hazard maps and seismic risk assessment for Klamath County, Oregon, Oregon Department of Geology and Mineral Industries: Interpretative Map Series IMS-20, 28 pages.

Clague, J., Atwater, B.F., Wang, K., Wang Y., and Wong, I., 2000, Geological Society of America Penrose Conference: Great Cascadia Earthquake Tricentennial, held in Seaside, Oregon, Oregon Department of Geology and Mineral Industries: Special Paper 33, 156 pages.

Wong, I., Silva, W., Thomas, P., Wright, D., Bott, J., Gregor, N., Li, S., Mabey, M., Sojourner, A., and Wang, Y., 2000, A new generation of earthquake ground shaking hazard maps for three urban areas in the western U.S.: Part I Portland, Oregon, metropolitan area, Sixth International Conference on Seismic Zonation, November 12-15, 2000, Palm Springs, California.

Oregon Seismic Safety Policy Advisory Commission's Oregon At Risk, 2000 Commission Chair (Wang) and major contributor, special publication in coordination with Governor and Commission members to Legislature and key stakeholders.

Hofmeister, R.J., Wang, Y., and Keefer, D.K., 2000, Earthquake-induced slope instability: Methodology of relative hazard mapping, western portion of the Salem Hills, Marion County, Oregon: Oregon Department of Geology and Mineral Industries Special Paper 30, 73 p.

Hofmeister, R.J., Wang, Y., and Keefer, D.K., 2000, Earthquake-induced slope instability: Relative hazard map, western portion of the Salem Hills, Marion County, Oregon: Oregon Department of Geology and Mineral Industries Interpretive Map Series IMS- 17, 1:24,000.

Hofmeister, R.J., and Wang, Y., 2000, Earthquake-induced slope instability: Relative hazard map, eastern portion of the Eola Hills, Polk County, Oregon: Oregon Department of Geology and Mineral Industries Interpretive Map Series IMS- 18, 1:24,000.

Black, J., Z. Wang, T. J. Wiley, Y. Wang, and D. K. Keefer, 2000, Relative Earthquake Hazard Maps of the Eugene-Springfield Metropolitan Area, Lane County, Oregon, Oregon Department of Geology and Mineral Industries Interpretive Map Series IMS 14.

Wong, I., Silva, W., Bott, J., Wright, D., Thomas, P., Gregor, N., Li, S., Mabey, M., Sojourner, A., and Wang, Y., 2000, Earthquake scenario and probabilistic ground shaking maps for the Portland, Oregon,

metropolitan area. Portland Hills fault M 6.8 earthquake, peak horizontal acceleration (g) at the ground surface: Oregon Department of Geology and Mineral Industries Interpretive Map Series IMS-15, 1 map sheet, scale 1:62,500

Wong, I., Silva, W., Bott, J., Wright, D., Thomas, P., Gregor, N., Li, S., Mabey, M., Sojourner, A., and Wang, Y., 2000, Earthquake scenario and probabilistic ground shaking maps for the Portland, Oregon, metropolitan area: Oregon Department of Geology and Mineral Industries Interpretive Map Series IMS-16, 11 map sheets, scale 1:62,500.

Wang, Y., 1999, The 1st Statewide Earthquake Risk Assessment Using HAZUS Estimated Losses in Oregon, Western States Seismic Policy Council, EQ: Earthquake Quarterly, Summer 1999, p 18-21.

Wang, Y., 1999, Risk assessment and risk management in Oregon, American Society of Civil Engineers Technical Council on Lifeline Earthquake Engineering for the 5th U.S. Conference in Seattle Washington, 10 p.

Wang, Z., Wang, Y., and Keefer, D.K., 1999, Earthquake-induced rock fall and slide hazard along US Highway 97 and Oregon Highway 140 near Klamath Falls, Oregon, American Society of Civil Engineers Technical Council on Lifeline Earthquake Engineering for the 5th U.S. Conference in Seattle Washington held on August 1999, 10 p.

Wang, Y., Keefer, D.K., and Wang, Z., 1999, Seismic hazard mapping in Eugene-Springfield, Oregon: in O'Rourke, T.D., Bardet, J.P., and M. Hamada, [eds.] Proceedings for 7th U.S.-Japan Workshop on Earthquake Resistant Design of Lifeline Facilities and Countermeasures Against Soil Liquefaction: MCEER-99-0019, held in Seattle in Aug. 1998, 674 p.

Wang, Y., and Clark, J.L., 1999, Earthquake damage in Oregon, Preliminary estimates of future earthquake losses: Oregon Department of Geology and Mineral Industries special paper 29, 59 p.

Hays, W., Mohammadioun, B., and Mohammadioun, J., Seismic Zonation, eds., Wang, Y., co-contributor, 1998, A Framework for Linking Earthquake Risk Assessment and Earthquake Risk Management Monograph, Workshop on Seismic Zonation Paris, France, Ouest Editions- Presses Academiques.

Wang, Y., 1998, Earthquake damage and loss estimates for Oregon: Oregon Department of Geology and Mineral Industries open file report O-98-3, 208 p.

Wang, Y., 1998, Oregon earthquakes- preliminary estimates of damage and loss: Oregon Geology, v. 60, no 6. p. 123-132.

Wang, Y., Weldon, R., and Fletcher, D., 1998, Creating a UBC soil map for Oregon: Oregon Geology, v. 60, no 4. p. 74-78.

Keefer, D.K., and Wang, Y., 1998, A method for predicting slope stability for earthquake hazard maps, in Earthquake Engineering Research Institute 6th U.S. National Conference on Earthquake Engineering, held in Seattle, Washington.

Wang, Y., Wang, Z., and Black, G.L., 1998, Measuring earthquakes in Oregon: Oregon Geology, v. 60, no. 2, p. 42-44.

Wang, Y., 1998, Earthquake risks and mitigation in Oregon, in Burns, S. [ed.] Association of Engineering Geologists Environmental, Engineering, and Groundwater Geology of Oregon, Belmont CA, Star Publishing Company, p. 325-342.

Keefer, D.K., and Wang, Y., 1997, A method for predicting slope instability for earthquake hazard maps: preliminary report, in Wang, Y. and Neuendorf, K.E. [eds.] proceedings Earthquakes- Converging at Cascadia symposium, Oregon Department of Geology and Mineral Industries special paper 28, Association of Engineering Geologists special publication 10, p. 39- 52.

Wang, Y., 1997, Preparing for earthquakes in Oregon: Oregon Geology, v. 59, no. 2, p. 27-38.

Wang, Y., and Leonard, W.J., 1996, Relative earthquake hazard maps of the Salem East and Salem West quadrangles, Marion and Polk Counties, Oregon: Oregon Department of Geology and Mineral Industries Geological Map Series GMS-105.

Wang, Y., 1996, Earthquake hazards in the Siletz Bay area, Coastal Lincoln County, Oregon, Oregon State University Oregon Sea Grant Coastal Earthquakes and Tsunamis: Reducing the Risks, 10 pages.

Wang, Y., and Priest, G.P., 1995, Relative earthquake hazard maps of the Siletz Bay area, Coastal Lincoln County, Oregon: Oregon Department of Geology and Mineral Industries Geological Map Series GMS-93.

Selected Invited Presentations

- [2010 Seismological Society of America, Town Hall](#), co-organizer and speaker
- Oregon Museum of Science and Industry Science Pub and 2009 Geological Society of America Serial Crimes of Subduction: Giant Earthquake & Tsunamis in Oregon's Past & Future, with Brian Atwater
[Talk](#) (4 MB pdf)
- American Geologic Institute (AGI) Leadership Forum, Washington DC (2006)
- Geological Society of Washington (DC) at Cosmo Club; speaker award (2001)

Selected Awards, Recognition, and Events

- 2010 National Academies NRC Roundtable, Board on Earth Sciences and Resources, participant
- 2010 China-USA Symposium for the Advancement of Earthquake Sciences and Hazard Mitigation Practices, Beijing and Mianyang, invitee of the National People's Congress
- 2010 9th US National and 10th Canadian conference on earthquake engineering, co-convener schools session
- Oregon Legislative Testimonials, House transportation, and emergency preparedness committees
- 2010 Maule Chile earthquake (magnitude 8.8), ASCE TCLEE investigator
- 2009 Oregon Fuel Sector Tabletop on Cascadia earthquake disasters, co-organizer
- 2009 ASCE TCLEE "Lifeline earthquake engineering in a multi-hazard environment," conference co-chair, Jun 28-Jul 1, 2009, Oakland, CA
- 2007 elected as an ASCE Fellow
- 2006 Government Engineer of the Year, Oregon section of the American Society of Civil Engineers
- 2006 100th Anniversary Earthquake Conference, substitute speaker for Oregon Senate President Peter Courtney at the Association of Bay Area Governments special session, San Francisco, CA

- 2006 National Geographic Channel's "Earthquake Alert," featured as interviewee
- 2005 Granada (U.K.) itv on Sky: Inside the Most Powerful & Documentaries, Science and History "The Ultimate Earthquake," featured as interviewee
- 2005 FEMA PDM grant award, \$2.6 million for Western Oregon and Oregon State Universities projects
- 2005 BBC/Discovery's The Next Megaquake science documentary, featured as interviewee
- 2004 General Obligation Bond Task Force Coordinator (co-writing and passage of 2005 Senate Bills 2-5)
- 2004 Congressional appropriations request: \$1 million for USGS landslide program, Sen. R.Wyden and G.Smith (\$750,000 appropriated in first year)
- 2004 USGS Landslide research program refocuses to Oregon (contract award in 2005)
- 2004 FEMA PDM grant award, \$3.8 million announced by DHS Sec. Tom Ridge
- 2003 featured in R.B. Olshansky's "Building Rehabilitation and Seismic Code Laws in Oregon," FEMA paper
- 2003 National Academies NEHRP 25-yr anniversary participant, Washington DC
- 2002 Geological Society of America, State Geologist substitute-speaker and field trip leader
- 2002 National Academies NRC Landslide Committee, co-host, speaker and field trip leader
- 2001 Geological Society of Washington, DC, Bradley Award
- 2001 Revolutionizing Earth and Space Science Education workshop, NSF/TERC, policy advisor, Aspen CO
- 2001 Science News (6/16/01) clip on AGU poster, Boston MA
- 2001 American Geophysical Union congressional and governmental affairs tour, Big Dig Boston, organizer
- 2001 Oregon Senate Bills 13, 14, 15 and Senate Joint Resolutions 21 and 22 on earthquake safety (passed)
- 2000 American Society of Civil Engineers, awarded Congressional Fellowship
- 2000 Oregon Seismic Safety Policy Advisory Commission, Chairperson
- 2000 Western States Seismic Policy Council excellence award on Oregon Risk Study
- 2000 Geological Society of America Penrose Conference: Great Cascadia Earthquake Tricentennial, Seaside Oregon; co-convener with Atwater, Clague, Wang and Wong
- 1999 National Earthquake Hazard Reduction Program (NEHRP) Strategic Plan Implementation Workshop, Washington DC, invited participant
- 1998 Best paper award, Earthquake risks and mitigation in Oregon, in Burns, S. [ed.] Association of Engineering Geologists Environmental, Engineering, and Groundwater Geology of Oregon

More information, such as curriculum vitae, can be provided upon request.