

Goltz 博士の御略歴

氏名： James D. Goltz

称号： Researcher-in-Residence

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所属機関： University of Colorado Boulder

部局： Natural Hazards Center, Institute of Behavioral Science,

University of Colorado Boulder (コロラド大学ボルダー校・行動科学研究
所・自然災害センター)

専門分野： 災害社会学 地震学に関するアウトリーチ研究
災害リスクマネジメント

学歴 (Education)：

University of California Los Angeles, Ph.D. Sociology, 2006.

University of California Los Angeles, M.A. Sociology, 1978.

Ohio State University, Columbus, OH, B.A. Sociology, Cum Laude, Phi
Beta Kappa, University Fellow, 1970.

Columbus West High School, Columbus, Ohio. Graduation, June 1966.

経歴 (Experience) :

Guest Scholar, Disaster Prevention Research Institute, Kyoto University. April 2022 to Present.

Recipient of a Japan Society for the Promotion of Science Fellowship and a grant from the US-Japan Foundation to study planning among local government jurisdictions in the Nankai region of Japan for receipt of “special earthquake warning information” from the Japan Meteorological Agency regarding potential precursory seismic activity in the Nankai Trough.

Researcher in Residence, Natural Hazards Center, Institute of Behavioral Science, University of Colorado, Boulder. April 2020 to Present.

After returning from Japan in November 2019, I was invited to join the Natural Hazards Center as a resident researcher; however, measures to control the coronavirus pandemic prevented me from actually being present on campus. Nevertheless, I am listed as a Researcher in Residence and am currently working on an NSF funded project to develop a companion questionnaire for the USGS ‘Did You Feel It’ program for respondents who received an earthquake early warning message from ShakeAlert.

Research Fellow, Japan Society for the Promotion of Science (JSPS), Disaster Prevention Research Institute, Kyoto University, April 1, 2019 to November 30, 2019.

Returned to the Disaster Prevention Research Institute and Kyoto University with a JSPS fellowship to conduct a study of human behavioral response in 12 global earthquakes using data from the USGS ‘Did You Feel It?’ database. This was a USGS funded study in which I served as Principal Investigator, Prof. Katsuya Yamori as Co-Principal Investigator and two graduate students served as research assistants. The results of the study were compiled into a research paper which is pending publication in the journal *Earthquake Spectra*.

Visiting Research Professor, Disaster Prevention Research Institute, Kyoto University, Japan. October 1, 2015 to September 29, 2016, November 1, 2017 to September 30, 2018.

Two one-year visiting faculty positions involving invited lectures, research collaboration, advising graduate students and earthquake and tsunami knowledge transfer. The focus of research collaboration was in earthquake early warning, tsunami evacuation strategies, operational earthquake forecasting and earthquake reconnaissance for the April 14-16, 2016 earthquake sequence in Kumamoto Prefecture Japan. Delivered several invited lectures

focusing on risk communication, hazard warnings and behavioral dimension of seismic intensity scales.

Visiting Associate in Mechanical and Civil Engineering, California Institute of Technology, January 2012- September 30, 2015

Participate in an organized working group to promote the development and implementation of an earthquake early warning system in California. I helped organize and participated in a coalition of states, territories and commonwealths that are members of the National Tsunami Hazard Mitigation Program (NTHMP) and have sought to promote the reauthorization of the Tsunami Warning and Education Act of 2006. I am collaborating with a US Geological Survey colleague to advocate and ultimately develop a protocol for public information messaging in response to potentially precursory seismic activity in or near the Cascadia Subduction Zone. In 2012, I served on an oversight committee convened by the National Institute of Building Sciences to develop a tsunami module for HAZUS, the national loss estimation methodology for several natural hazards. I am currently serving on the Advisory Committee of the National Earthquake Hazard Reduction Program (NEHRP) for a six-year term that began in September 2013.

Branch Chief, Earthquake, Tsunami and Volcanic Hazards Program, California Office of Emergency Services (Cal OES), January 2007 to Retirement in December 2011

Under the general direction of the Assistant Secretary, Planning, Protection and Preparedness, the Branch Chief, is responsible for planning, organizing and directing the Cal OES Earthquake, Tsunami and Volcanic Hazards Program, the earthquake component of which includes funding of the California Integrated Seismic Network (CISN); the integration of CISN research and development into Cal OES planning, preparedness, warning, response and recovery activities; the development and delivery of research and findings to multidisciplinary professional constituents; and, for serving as the representative, on behalf of the Secretary and Undersecretary, to the CISN and other organizations with earthquake hazard programs. The tsunami component includes managing funds from the National Oceanic and Atmospheric Agency (NOAA) to develop tsunami inundation maps for all California coastal jurisdictions, promote local government planning for tsunamis, provide technical assistance to local government in the development of plans, interpretation of inundation maps, conducting workshops and exercises, and representing California in the National Tsunami Hazard Mitigation Program.

Earthquake and Tsunami Program Specialist, California Office of Emergency Services, April 2003-December 2006

Responsible for all activities identified under the job description below as well as the design and execution of the state's Tsunami Hazard Mitigation Program which includes monitoring the contract for the tsunami hazard mapping project, planning and carrying out workshops to promote the development of local tsunami mitigation and response plans,

reviewing plans and designing exercises, including the generation of scenarios to test local plans.

California Institute of Technology, Consultant to the Governor's Office of Emergency Services, March 2002 - March 2003

Design and carry out a program of scientific outreach and technology transfer associated with the new California Integrated Seismic Network (CISN). Work closely with Cal OES executive staff and technical specialists in developing network-based products for use in managing earthquake emergencies and explore the applicability of these products to other emergencies. Carry out technology transfer through presentations to selected target audiences, publication of articles and papers, lectures at the California Specialized Training Institute, participation in exercises, holding workshops and other means. Conduct research to identify opportunities and barriers to effective technology transfer and, as necessary, write proposals for grants to support research activities.

California Institute of Technology, Manager, Office of Earthquake Programs, October 1997-February 2002

Responsible for management of the Caltech-USGS Broadcast of Earthquakes (CUBE) program and for technology transfer associated with the TriNet project. Some of the major projects under TriNet include development of new real-time information products for emergency response and recovery including: accurate and reliable earthquake source information, ground shaking maps (ShakeMap), and an earthquake early warning system for southern California. Duties involve program administration, contract management, liaison with a broad array of user groups, workshop and conference organization and curriculum development.

EQE International Inc., Irvine, California, Senior Policy Analyst, October 1993-September 1997

Responsible for EQE's research program in natural hazards and public policy and specialized in the transfer and application of new technologies. With support from the National Science Foundation, investigated the application of real-time seismic information for emergency response; the use of loss and damage estimates for emergency management and decision support in the Northridge earthquake; inter-organizational coordination of emergency response and early recovery in the Hanshin-Awaji earthquake in Japan; and, public policy and behavioral response associated with earthquake early warning systems. He also served as editor and contributor to the Northridge general reconnaissance report published by the National Center for Earthquake Engineering Research.

Earthquake Program, California Office of Emergency Services, Pasadena, California, Research and Evaluation Program Manager, June 1983-September 1993

Principal responsibilities included program evaluation research, advising local government, conference organizing, project/contract management and response/recovery planning. Also, served as Executive Secretary of the California Earthquake Prediction Evaluation Council for seven years. Principal earthquake prediction response planner and designated representative of the California Office of Emergency Services at the California Institute of Technology upon the occurrence of significant earthquakes in southern California.

受賞 (Honors/Awards) :

Recipient of 2022 Research Collaboration Prize, Disaster Prevention Research Institute, Kyoto University for “Outstanding Contributions to Research Collaboration.”

Recipient of 2011 WSSPC (Western States Seismic Policy Council) Leadership Award presented for “Inspirational Leadership in Tsunami Hazard Mitigation, Public Awareness, and Emergency Preparedness for the State of California.”

出版物 (Publications (1984 to Present, * Denotes Refereed Journal Article)) :

*Goltz, James D. 2022. “Social Science Contributions to Earthquake Warnings: An Essay Commemorating the Work of Dennis S. Mileti” submitted for publication in the *Natural Hazards Review*, July 2022.

*Goltz, James D. 2022. "An Additional Perspective on “Is the Long-Term Probability of the Occurrence of Large Earthquakes along the Nankai Trough Inflated? Conflict between Science and Risk Management—by Manabu Hashimoto" *Seismological Research Letters*, June 8, 2022.

*Goltz, J.D., Wald, D.J., McBride, S.K., DeGroot, R., Breeden, J.K. and Bostrom, A., 2022. Development of a companion questionnaire for “Did You Feel It?": Assessing response in earthquakes where an earthquake early warning may have been received. *Earthquake Spectra*, p.87552930221116133.

*Bostrom, Ann, Sara McBride, Julia Becker, James Goltz, Robert DeGroot, Lori Peek, Brian Turbush and Maximilian Dixon 2022. “ShakeAlert: Great Expectations for Earthquake Early Warnings on the U.S. West Coast,” *International Journal of Disaster Risk Reduction*, publication pending (April 2022).

*Lindell, Michael K., Ann Bostrom, James D. Goltz, and Carla S. Prater 2021. "Evaluating hazard awareness brochures: Assessing the textual, graphical, and numerical features of tsunami evacuation products," *International Journal of Disaster Risk Reduction*, 61:

*Yamori, K. and James D. Goltz, 2021. "Disasters Without Borders: The Coronavirus Pandemic, Global Climate Change and the Ascendancy of Gradual Onset Disasters," *International Journal of Environmental Research and Public Health*, 18(6): 3299.

* Goltz, James D., Hyejeong Park, Vincent Quitoriano and David Wald 2020. "Human Behavioral Response in the 2019 Ridgecrest Earthquakes: Assessing Immediate Actions Based on Data from 'Did you feel it?'" *Bulletin of the Seismological Society of America*, 110 (4): 1589–1602.DOI:

*Goltz, James D., Hyejeong Park, Genta Nakano and Katsuya Yamori 2020. "Earthquake Ground Motion and Human Behavior: Using DYFI Data to Assess Behavioral Response to Earthquakes", *Earthquake Spectra*,

*Goltz, James D. and Evelyn Roeloffs 2020. "Imminent Warning Communication: Earthquake Early Warning and Short-Term Forecasting in Japan and the US", in K. Yamori (Ed.) *Disaster Risk Communication: A Challenge from a Social Psychological Perspective*, Springer, Singapore, Heidelberg, New York, Dordrecht, London.

*Goltz, James D. and Katsuya Yamori 2020. "Tsunami Preparedness and Mitigation Strategies" in *Oxford Research Encyclopedia of Natural Hazard Science*, Oxford University Press doi: <http://dx.doi.org/10.1093/acrefore/9780199389407.013.324>

Goltz, James D. 2018. "What was learned from the Osaka Earthquake (of June 18, 2018)", Opinion Essay published in the Japan Times, 7/3/18.

Goltz, James D. 2018. "Earthquake Advisories Can Save Lives," Opinion Essay published in the Japan Times, 4/18/18.

*Goltz, James D. and Linda B. Bourque 2017. "Earthquakes and Human Behavior: A Sociological Perspective," *International Journal of Disaster Risk Reduction*, 21:251-265.

*Goltz, James D. 2017. "Tsunami Tendenko: A Sociological Critique," *Natural Hazards Review*, Vol.18 (4) November 2017.

*Roeloffs, Evelyn and James D. Goltz 2017: The California Earthquake Advisory Plan: A History," *Seismological Research Letters*, Vol. 88(3) October 2017.

Goltz, James D. 2016, "The Kyushu Earthquake Sequence of April 2016: A Report to EERI," Reconnaissance Report prepared for the Earthquake Engineering Research Institute, May.

*Goltz, James D. 2016. "Status and Power Differentials in the Generation of Fear in Three California Earthquakes," *International Journal of Disaster Risk Reduction*, 16: 200-207.

*Goltz, James D. 2015. "A Further Note on Operational Earthquake Forecasting: An Emergency Management Perspective," *Seismological Research Letters*, Volume 86, No. 5: September/October, p. 1231-1233.

*Atsumi, Tomohide and James D. Goltz, 2014, "Fifteen Years of Disaster Volunteers in Japan: A Longitudinal Fieldwork Assessment of a Disaster Non-Profit Organization," Vol. 32, No.1, pp. 220-240, *International Journal of Mass Emergencies and Disasters*.

Goltz, James D., 2013, "Models of the Organization of Earthquake Early Warning Systems," Internal California Office of Emergency Services briefing document for the Cal OES Director and Executive Staff, March 15, Mather, California.

*Krishnan, Swaminathan, Emanuele Casarotti, James Goltz, Chen Ji, Dimitri Komatitsch, Ramses Mourhatch, Matthew Muto, John H. Shaw, Carl Tape, and Jeroen Tromp 2012, "Rapid Estimation of Damage to Tall Buildings Using Near Real-Time Earthquake and Archived Structural Simulations," *Bulletin of the Seismological Society of America*. Vol.102, No.6, December.

Porter, Keith, Lucile Jones, Dale Cox, James Goltz, Ken Hudnut, Dennis Mileti, Sue Perry, Daniel Ponti, Michael Reichle, Adam Z. Rose, Charles R. Scawthorn, Hope A. Seligson, Kimberly I. Shoaf, Jerry Treiman, and Anne Wein 2011, "The ShakeOut Scenario: A Hypothetical M7.8 Earthquake on the Southern San Andreas Fault," *Earthquake Spectra* Vol. 27, pp 239-261.

*Goltz, James D. and Dennis S. Mileti 2011, "Public Response to a Catastrophic Southern California Earthquake: A Sociological Perspective," *Earthquake Spectra* Vol. 27, pp 487-504

Wilson, R.I., Lori A. Dengler, James D. Goltz, Mark R. Legg, Kevin M. Miller, Andy Ritchie, and Paul M. Whitmore, 2011, "Emergency Response and Field Observation Activities of Geoscientists in California (USA) During the September 29, 2009, Samoa Tsunami." *Earth-Science Reviews*, Volume 107, Issues 1-2, July 2011, Pages 193-200.

*Barberopoulou A., J.C. Borrero, B. Uslu, N. Kalligeris, J.D. Goltz, C.E. Synolakis and R.I. Wilson, 2009 "Unprecedented Coverage of the Californian Coast Promises Improved Tsunami Response", invited feature article, *EOS Transactions*, American Geophysical Union, vol. 90, no. 16, pp.137-138, 21 April, 2009.

Perry, Suzanne, Dale Cox, Lucile Jones, Richard Bernkopf, James Goltz, Kenneth Hudnut, Dennis Mileti, Suzanne Perry, Daniel Ponti, Keith Porter, Michael Reichle, Hope Seligson,

Kimberly Shoaf, Jerry Treiman and Anne Wein, 2008, *The ShakeOut Scenario: A Story that Southern Californians are Writing*, Circular 1324, United States Geological Survey, US Department of the Interior.

Jones, Lucile, Richard Bernknopf, Dale Cox, James Goltz, Kenneth Hudnut, Dennis Mileti, Suzanne Perry, Daniel Ponti, Keith Porter, Michael Reichle, Hope Seligson, Kimberly Shoaf, Jerry Treiman and Anne Wein, 2008, *The ShakeOut Scenario: Effects of a Potential M7.8 Earthquake on the San Andreas Fault in Southern California*, USGS Open File Report 25.

Goltz, James D. 2006, *Initial Behavioral Response to a Rapid Onset Disaster: A Social Psychological Study of Three California Earthquakes* (2006) Doctoral Dissertation, University of California, Los Angeles.

Goltz, James D. 2006, Chapter Seven, "Benefits for Emergency Response and Recovery," *Improved Seismic Monitoring, Improved Decision-Making: Assessing the Value of Reduced Uncertainty*, The National Academies Press: Washington, D.C.

*Goltz, James D. 2003, "Science Can Save Us: Outreach as Necessity and Strategy," *Seismological Research Letters*. Volume 74, Number 5, September/October.

*Goltz, James D. 2003, "Applications for New Real-Time Seismic Information: The TriNet Project in Southern California" *Seismological Research Letters*. Volume 74, Number 5, September/October.

Wald, David J., C. Bruce Worden, Vincent Quitoriano and James Goltz, 2002, "ShakeMap: It's Role in Pre-Earthquake Planning and Post-Earthquake Response and Information" Proceedings of the SMIP02 Seminar on Utilization of Strong Motion Data, Los Angeles, May.

*Hauksson, Egill, Patrick Small, Katrin Hafner, Robert Busby, Robert Clayton, James Goltz, Tom Heaton, Kate Hutton, Hiroo Kanamori, Jascha Polet, Doug Given, Lucile M. Jones, and David Wald, 2001, "The Southern California Seismic Network: The Caltech/USGS Element of TriNet, 1997-2001" *Seismological Research Letters*, Vol. 72, No. 6, November/December.

Goltz, James D. and Egill Hauksson, 2001, "TriNet: New Tools for Rapid Earthquake Response through Interdisciplinary Research," *Natural Hazards Observer*, Volume XXV Number 6, July.

*Goltz, James D., P. J. Flores, S.E. Chang, T. Atsumi, 2001, "The '921' Chi-Chi, Taiwan Earthquake: Emergency Response and Early Recovery" *Earthquake Spectra*, Supplement A to Vol.17, April.

*Eguchi, Ronald T., J.D. Goltz, C.E. Taylor, S.E. Chang, P.J. Flores, L.A. Johnson, H.A. Seligson, and N.C. Blais, 1998, "Direct Economic Losses in the Northridge Earthquake: A Three-Year Post-Event Perspective," *Earthquake Spectra*, Vol.14, No. 2, May.

*Goltz, James D. and Paul J. Flores, 1997, "Real-Time Earthquake Early Warning and Public Policy: A Report on Mexico City's Sistema de Alerta Sismica," *Seismological Research Letters*, Vol. 68, No. 5, September/October.

Eguchi, Ronald T., James D. Goltz and Hope A. Seligson 1997. "Integrated Real-Time Disaster Information Systems: The Application of New Technologies," US-Japan Joint Seminar on Civil Infrastructure Systems Research, Honolulu, HI, August 28-30, 1997.

Goltz, James D., 1996, *Use of Real-Time Seismic Information by Government Agencies, Utilities and Large Corporations in the Pre- and Post-Northridge Environments*, Irvine, CA: EQE International for the National Science Foundation.

Eguchi, R. T., Goltz, J. D., Taylor, C. E., Chang, S. E., Flores, P. J., Johnson, L. A. & Blais, N. C. 1996. "The Northridge Earthquake as an Economic Event: Direct Capital Losses." In *Proceedings: The Northridge Earthquake: Analyzing Economic Impacts and Recovery from Urban Earthquakes: Issues for Policy Makers*.

*Goltz, J. D. 1996. "Use of Loss Estimates by Government Agencies in the Northridge Earthquake for Response and Recovery." *Earthquake Spectra*, 12(3), 441-455.

Goltz, J. D. 1996. "Emergency Response in the Great Hanshin-Awaji Earthquake of January 17, 1995: Planning, Mobilization and Inter-Organizational Coordination." *Proceedings of the Eleventh World Conference on Earthquake Engineering, Paper No. 589*.

*Russell, L. A., Goltz, J. D., & Bourque, L. B. 1995. "Preparedness and Hazard Mitigation Actions Before and After Two Earthquakes." *Environment and Behavior*, 27 (6), 744-770.

Eguchi, Ronald T., Hope A. Seligson and James D. Goltz 1995. "Rapid Post-Earthquake Damage Assessment for Lifeline Facilities," Sixth US-Japan Workshop on Earthquake Disaster Prevention for Lifeline Systems, July 18-19, 1995 Osaka, Japan.

Eguchi, R. T., Goltz, J. D., Seligson, H. A., & Heaton, T. H. 1994. "Real-time Earthquake Hazard Assessment in California: The Early Post-Earthquake Damage Assessment Tool and the Caltech-USGS Broadcast of Earthquakes." In: *Proceedings of the U. S. National Conference on Earthquake Engineering. Vol.2. Earthquake Engineering Research Institute, Oakland, CA, pp. 55-63*.

Goltz, J. D. 1994. *The Northridge, California Earthquake of January 17, 1994: General Reconnaissance Report*. National Center for Earthquake Engineering Research. Report No. NCEER-94-0005, Buffalo, NY, USA.

Goltz, J. D., Russell, L. A., & Bourque, L. B. 1993. "Individual and Family Disaster Preparedness in California: A Tale of Two Earthquakes." In *Earthquake Hazard Reduction in the Central and Eastern United States: A Time for Examination and Action*. Central US Earthquake Consortium, Memphis, TN.

Bourque, L. B., Russell, L. A., & Goltz, J. D. 1993. "Human Behavior During and Immediately After the Earthquake. In *The Loma Prieta, California, Earthquake of October 17, 1989: Public Response*. US Geological Survey Professional Paper, 1553, 3.

*Goltz, J. D., Russell, L. A., & Bourque, L. B. 1992. "Initial Behavioral Response to a Rapid Onset Disaster: A Case Study of the October 1, 1987, Whittier Narrows Earthquake." *International Journal of Mass Emergencies and Disasters*, 10(1), 43-69.

Bourque, L. B., Aneshensel, C. S., & Goltz, J. D. 1991. "Injury and Psychological Distress Following the Whittier Narrows and Loma Prieta Earthquakes." In *Proceedings of the UCLA International Conference on the Impact of Natural Disasters*. Los Angeles, CA.

Goltz, James D. 1985 "Earthquake Insurance: A Public Policy Dilemma," Southern California Earthquake Preparedness Project, Federal Emergency Management Agency, FEMA 68, May 1985.

*Goltz, J. 1984. "Are the News Media Responsible for the Disaster Myths? A Content Analysis of Emergency Response Imagery." *International Journal of Mass Emergencies and Disasters*, 2, 345- 368.

主要な講演等 (Presentations (2004-2022)) :

September 23, 2022: Annual Conference of the Integrated Disaster Risk Management Society, Session chair and presenter (virtual), "Operational Earthquake Forecasting and Planning for Response to "Special Early Warning Information" in the Nankai Region of Japan.

September 1, 2022: Annual Conference of the Japanese Society for an Inclusive Society, Keynote Lecture (virtual), “Access and Function Needs: Lessons Learned from Recent Disasters”

September 22, 2021: Annual Conference of the Integrated Disaster Risk Management Society (virtual), Session organizer and chair, “The Coronavirus Pandemic: What Lessons are Emerging for Integrated Disaster Risk Management?”

December, 7, 2020: American Geophysical Union Meeting (virtual) Poster: “SY005-0004 - How Do People Respond During an Earthquake? Using ‘Did you feel it?’ Data to Assess Human Behavioral Response to Earthquakes.”

September 23-24, 2020: Annual conference (virtual) of the Integrated Disaster Risk Management Society (IDRiM), Session Organizer for two sessions entitled “Conceptions of Disaster and the Coronavirus: What the Pandemic is Teaching Us” (with co-chair Katsuya Yamori) and “Risk and Culture” (with co-chair Asthildur Bernhardsdottir).

January 30, 2020: Annual conference of the Seismological Society of America, “Adventures in Social Seismology: Empirical Investigations of Human Behavioral Response in Earthquakes Using Data from ‘Did you feel it?’ Accepted for presentation, Albuquerque, NM (April, 27-30, 2020). Conference was cancelled due to the coronavirus pandemic; all abstracts published in *Seismological Research Letters*, Issue 2B.

October 18, 2019: Annual Conference of the Integrated Disaster Risk Management Society (IDRiM), Session Organizer for “Adventures in Social Seismology: Human Behavior in Earthquakes With and Without Warning”, Nice, France.

September 13, 2019: International Symposium on Strategy of Disaster Risk Management for Sustainable Growth, Kansai University, “What Do Emergency Managers Need from the Fields of Engineering and Science”, Osaka, Japan.

July 16, 2019: Poster Presentation, Natural Hazards Workshop, “Earthquake Response Behavior: What Do People Do When the Earth shakes?” Broomfield, Colorado.

June 28, 2019: Graduate Seminar, Disaster Prevention Research Institute, Kyoto University, “Earthquakes and Human Behavior: An Analysis of 12 Global Events”, Kyoto, Japan. Same lecture repeated at a graduate seminar at Osaka University, July 2, 2019.

September 27, 2018: Conference Presentation, World Social Science Forum, “Trans-disciplinary Environments for Emergency Management: The Case of the California Earthquake, Tsunami and Volcanic Hazards Program,” Fukuoka, Japan

July 9, 2018: Special Session, Natural Hazards Workshop, “The Osaka Earthquake of June 18, 2018: A Summary,” Broomfield CO

May 25, 2018: Colloquium Presentation. “Earthquake Risk Communication Challenges for Japan: Earthquake Advisories for the Nankai-Tonankai-Tokai Region.” Disaster Reduction Systems, Kyoto University, Japan.

May 15, 2018: International Conference for the Decade Memory of the Wenchuan Earthquake, Chengdu, China, Co-Convener and Moderator for the session entitled “Integrated disaster risk studies and innovative technology.”

February 21, 2018: Disaster Prevention Research Institute, Annual Meeting, “Rethinking Earthquake Prediction in Japan: A Risk Communication Perspective.” Kyoto University.

January 25, 2018: Colloquium Presentation. “Rethinking Earthquake Prediction in Japan: A Risk Communication Perspective.” Disaster Reduction Systems, Kyoto University, Japan.

November 24, 2017: Colloquium Presentation. “Evolving Conceptions of Community Engagement in Disaster Response in the United States: Post World War II to the Present.” Disaster Reduction Systems, Kyoto University, Japan.

August 25, 2017: Conference Session Chair: “Best Practices in Engagement Strategies.” Integrated Disaster Risk Management Conference (IDRiM), Reykjavik, Iceland, August 23-25, 2017.

August 24, 2017: Conference Presentation. “Operational Earthquake Forecasting: A Risk Communication Challenge.” Integrated Disaster Risk Management Conference (IDRiM), Reykjavik, Iceland, August 23-25, 2017.

August 23, 2017: Conference Presentation. “Community-based Participation for Effective Earthquake and Tsunami Preparedness and Recovery in Japan and the United States.” Integrated Disaster Risk Management Conference (IDRiM), Reykjavik, Iceland, August 23-25, 2017.

March 21, 2017: Conference Presentation: “Operational Earthquake Forecasting: A Risk Communication Challenge.” Pacific Risk Management Ohana (PRIMO) Annual Conference, Honolulu, Hawaii, March 20-24, 2017.

July 13, 2016: Workshop Presentation: “Public Communication and Seismic Hazards”
2016 Natural Hazards Workshop, Broomfield, Colorado.

June 21, 2016: Conference Keynote Lecture: “Operational Earthquake Forecasting: A
Public Policy Challenge,” International Conference on Operational Earthquake Forecasting,
Haifa University, Haifa Israel.

June 14, 2016: Invited Lecture, “Tendenko: A Sociological Critique,” Graduate School of
Human Sciences, Osaka University.

June 11, 2016: Invited Lecture: “The Voyage of Komome: A Story of Hope and
Friendship,” Invited guest presentation in Noda Village, Iwate Prefecture, Japan, sponsored
by Osaka University.

May 27, 2016: Colloquium Presentation, “Anticipating Large Earthquakes: Operational
Earthquake Forecasting,” Disaster Prevention Research Institute, Disaster Reduction
Systems, Kyoto University, Japan.

April 15, 2016: Colloquium Presentation, “Tendenko: A Sociological Critique,” Disaster
Prevention Research Institute, Disaster Reduction Systems, Kyoto University, Japan.

January 29, 2016: Invited Lecture, “Tendenko, Acceptable Risk and Tsunami Hazard
Mitigation in the United States and Japan,” Invited public lecture, Hirosaki University,
Hirosaki City, Japan.

October 22, 2015: Colloquium Presentation, “Human Behavior Dimension of Seismic
Intensity Scales,” Disaster Prevention Research Institute, Disaster Reduction Systems,
Kyoto University, Japan.

March 10, 2015: Invited Lecture, “Warning Systems for Earthquakes in the United States
and Japan,” Symposium on Research and Policies for Disaster Recovery and
Reconstruction, Hirosaki University.

November 18, 2014: Colloquium Presentation, “Operational Earthquake Forecasting in
California: A Transferable Prototype for the Pacific Northwest?” with Evelyn Roeloffs
Ph.D. United States Geological Survey, Department of Geology, Humboldt State
University, Arcata, California.

November 5, 2014: Committee Presentation, “What Can Be Learned from Existing
Earthquake Early Warning Systems,” meeting of the California Earthquake Early Warning
System, Committee on EEW Education and Training Committee, video conference.

February 14, 2014: Lecture, "Using Science and Technology in Managing Earthquake Emergencies," at the California Specialized Training Institute, San Luis Obispo, California. Please note that I presented some variant of this lecture at CSTI four times per year since 2002.

November 15, 2013: Seminar Presentation, "Introducing Earthquake Early Warning in the United States: The Broader Context," Veterans Emergency Management Evaluation Center (VEMEC), Veteran's Administration, Northridge, California (Updated Cascades Volcano Observatory presentation).

October 27, 2013: Conference Presentation, "What You Should Know Before the Next Big California Earthquake," Southern California Association of Activities Professionals (a professional association of activities directors for assisted living centers), Woodland Hills, California.

July 10, 2013: Organized session at the Natural Hazards Workshop, "Anticipating a Major Earthquake and Tsunami in the Cascadia Subduction Zone: Potential Precursors and What to Say to the Public" Organized session, recruited speakers and served as Moderator, participants included: Dr. Lucile Jones, US Geological Survey, Dr. Evelyn Roeloffs, US Geological Survey, Dr. Lee Wilkins, University of Missouri, Mr. John Schelling, Washington State Emergency Management Agency, Broomfield, Colorado.

May 22, 2013: Conference Presentation, "Social and Behavioral Aspects of Earthquake Early Warning," National Earthquake Program Managers Meeting, May 22-24, Denver, Colorado.

October 8, 2012: Invited Presentation, "Introducing Earthquake Early Warning in the United States: The Broader Context," Department of Geology, Humboldt State University, Arcata, California. (Same presentation as September 9, 2012 at the Cascades Volcano Observatory).

September 9, 2012: Invited Presentation, "Introducing Earthquake Early Warning in the United States: The Broader Context," Cascades Volcano Observatory, United States Geological Survey, Vancouver, Washington.

August 25, 2012: Conference Presentation, "The Communicative Survey: Science, Therapy or Both?" International Conference on Disaster Management (IIIRR), Kumamoto, Kyushu, Japan.

July 26, 2012: Conference Presentation, "Ultimate Vulnerability: Death and Injury in Tsunamis," National Tsunami Hazard Mitigation Meeting, July 25/26, 2012, Seattle, Washington.

June 4, 2012: Training Presentation, "Human Behavior in Disaster: Contributions from the Social Sciences," California Specialized Training Institute: Tsunami Planning for Coastal Communities, June 4-5, 2012, San Luis Obispo, California.

September 9, 2011: Conference Presentation, "The California Earthquake Clearinghouse," with Dr. Anne Rozinski, California Geological Survey, Annual Meeting of the Southern California Earthquake Center, University of Southern California, Palm Springs, California.

July 26, 2011: Workshop Presentation, "Operational Use of Earthquake Forecasts: An Emergency Management Perspective," SCEC-NASA Workshop on Evaluating Ground-Based and Space-Based Methods of Earthquake Forecasting, University of Southern California, July 26-27, 2011. Same presentation at Department of Homeland Security, Science and Technology Directorate Seismic Forecasting, Warning and Alerting Meeting, September 20, 2011, Arlington, Virginia.

July 16, 2011: Conference Presentation, "Tsunami Response in California and Lessons Learned from the Tohoku Japan Earthquake and Tsunami," 2nd International Conference of the Society for Integrated Risk Management, July 14-16, 2011, Los Angeles, California.

February 11, 2011: Conference Presentation, "California's Tsunami Program: Addressing the Tsunami Hazard in California," Earthquake Engineering Research Institute Annual Meeting, February 9-12, 2011, La Jolla, California.

January 25, 2011: Workshop Presentation, "State of California Earthquake and Tsunami Warning, Notification and Response," Workshop on Applications of Remote Sensing, Naval Postgraduate School, January 24-27, 2011, Monterey, California.

December 7, 2010: Conference Presentation, "Earthquakes and Tsunamis: The Year 2010 in Review," California Industrial Hygiene Council Conference, San Diego, California. Same presentation made at the Orange County/American Red Cross Disaster Academy, October 27, 2010, Anaheim, California.

July 21, 2010; Briefing for Chilean Delegation, "An Introduction to California Emergency Management and the Great California ShakeOut," Briefing for Ministry of Foreign Affairs, Chile, July 21, 2010, Sacramento, California

April 29, 2010: Workshop Presentation, "Vertical Evacuation: When Getting to Higher Ground is Not Feasible," Santa Barbara Tsunami Planning Workshop, Santa Barbara California.

October 17, 2009: Symposium Presentation, "Earthquake Early Warning and the Loma Prieta Earthquake: First Experiment with a New Technology," Loma Prieta Earthquake Commemorative Symposium, October 17, 2009, San Francisco, California.

September 17, 2009: Presentation to Local Government, "Can We Have Warnings for Earthquakes? The Story of Scientific Earthquake Prediction and Early Warning," City of Anaheim, California.

April 23, 2009: Workshop Presentation, "Earthquake Early Warning: Societal and Public Policy Issues," 2nd International Workshop on Earthquake Early Warning, April 21-24, 2009, Kyoto, Japan.

December 11, 2008: "ShakeOut" Presentation, "The 'Big One' and Southern California's Community Colleges," California Community Colleges Region One Meeting, Anaheim, California.

November 6, 2008: Invited Presentation, "Earthquake Early Warning: Societal and Public Policy Issues," National Academies, Board on Earth Sciences and Resources, Washington DC.

July 14, 2008: Workshop Presentation, "Earthquake and Tsunami Early Warning and Response: Challenges and Strategies for Technology Transfer," 2008 Natural Hazards Workshop, July 12-15, 2008, Broomfield, Colorado.

July 1, 2008: Workshop Presentation, "Learning What Has Happened in an Earthquake: Clearing the Fog of War," Governor's Office of Emergency Services, Alert, Warning and Communications Workshop, Los Angeles, California.

November 24, 2007: Conference Presentation (Co-Presented with Mr. Paul Jacks), "The Great Sumatra Earthquake and Indian Ocean Tsunami and Disaster Planning in California," Second International Conference on Urban Disaster Reduction, November 27-29, 2007, Taipei, China.

September 10, 2007: Local Government Presentation, "Earthquake Scenarios for the City of Anaheim," Presentation to City of Anaheim, California. Note: This is an example of the many presentations made between 2003 and 2012 using ShakeMap and HAZUS scenarios

to provide cities, school districts, hospitals and other entities with detailed information on local earthquake risk and mitigation strategies.

April 25, 2007: Presentation, "The California Office of Emergency Services Earthquake and Tsunami Program," National Earthquake Program Managers Meeting April 24-26, 2007, Salt Lake City, Utah.

October 16, 2006: Conference Presentation, "New Earthquake Information Products for Emergency Response: Learning from the Loma Prieta and Northridge Earthquakes," 2006 California Department of Transportation (Caltrans) Response and Recovery Conference, October 16, 2006, San Francisco, California.

July 11, 2006: Workshop Presentation, "Emotion and Disaster Response: A Sociological Assessment of Fear and Human Behavior During Three Damaging Earthquakes," Natural Hazards Workshop, July 10-12, 2006, Boulder, Colorado.

April 20, 2006: Conference Presentation, "Earthquake Prediction Planning and Response in California," Quake '06/ Disaster Resistant California, April 20, 2006, Sacramento, California.

June 8, 2005: Workshop Presentation, "The California Tsunami Program: An Overview," Asia Pacific All Hazards Workshop, June 6-10, 2005, Honolulu, Hawaii.

November 30, 2004: Workshop Presentation, "Communicating With the Public: Some Sociological Contributions," California Tsunami Workshop, November 30-December 2, 2004. November 30 to December 2, 2004, Burlingame, California.

January 20, 2004: Panel Presentation, "The Benefits of Enhanced Seismic Monitoring for Emergency Response and Recovery," National Academies of Science Panel on the Economic Benefits of Enhanced Seismic Monitoring, Washington, DC.

Goltz 博士 防災研究所への貢献の足跡

2015年10月1日～2016年9月30日

防災研究所 招へい研究員（客員教授）として滞在

2017年11月1日～2018年9月30日

防災研究所 招へい研究員（客員教授）として滞在

2019年4月1日～2019年11月30日

「地震動に対する人間行動と社会的反応に関する国際比較研究」
に参加 [日本学術振興会外国人招聘研究者として防災研究所に滞
在]

2022年4月25日～2023年2月23日

「南海トラフ地震の臨時情報に対する地方自治体の対応計画に
関する研究」に参加 [日本学術振興会外国人招聘研究者として
防災研究所に滞在中]