

# **Lucile Merrill Jones, Ph.D.**

## **Curriculum Vitae**

**July 2018**

### **Present Positions**

#### **Founder and Chief Scientist**

Dr. Lucy Jones Center for Science and Society  
Pasadena, California 91106  
Drlucyjonescenter.org

#### **Visiting Research Associate in Geophysics**

California Institute of Technology, 1985-present  
Division of Geological and Planetary Sciences  
Pasadena, CA 91125

### **Education**

Doctor of Philosophy in Geophysics, Massachusetts Institute of Technology, Cambridge, Massachusetts, 1981.

Bachelor of Arts in Chinese Language and Literature, Magna Cum Laude, Brown University, Providence, Rhode Island, 1976. Minor in Physics.

### **Professional Experience**

2016 – current: Chief Scientist, Dr. Lucy Jones Center for Science and Society

The Dr. Lucy Jones Center for Science and Society was created in 2016 with a mission to foster the understanding and application of scientific information in the creation of more resilient communities. Working with both the public and private sectors, The Center works with communities to increase their ability to adapt and be resilient to the dynamic changes of the world around them, helps scientists become better communicators of their results and helps decision-makers understand how they can partner with scientists and use results of scientific studies to make better informed decisions. I head the Center, collaborating with specialists in community engagement, emergency management and business continuity. I am also a Visiting Research Associate at Caltech, collaborating with Caltech scientists on research of interest.

2011 – 2016: Science Advisor for Risk Reduction, U.S. Geological Survey

The Science Advisor for Risk Reduction advises the Associate Director for Natural Hazards on science planning for the natural hazards programs of the USGS, including developing the long-term science strategy and representing hazard science in activities such as the Wildfire Science Council. As leader of the SAFRR (Science Application for Risk Reduction) Project ([http://www.usgs.gov/natural\\_hazards/safrr/](http://www.usgs.gov/natural_hazards/safrr/)), I organized activities in partnership with the hazards programs to create products that increase the accessibility and use of USGS science by communities at risk from natural disasters. Major products include the SAFRR Tsunami Scenario, <http://pubs.er.usgs.gov/publication/ofr20131170A>

2014: Special assignment as Mayor's Science Advisor for Seismic Safety, City of Los Angeles. Under a Technical Assistance Agreement between the USGS and the City of Los Angeles, I led a team in the Mayor's Office to identify seismic vulnerabilities and develop a technical

plan in collaboration with stakeholders for increasing the long-term seismic resilience of the City. Published as *Resilience By Design*, <http://www.lamayor.org/earthquake>

2006 – 2011: Chief Scientist, Multi Hazards Demonstration Project in Southern California, US Geological Survey, Office of the Pacific Southwest Region.

The Multi Hazards Demonstration Project (MHDP) was created by Congress in 2007 with a budget of \$5 million to demonstrate how hazards science can increase a community's resilience to natural disasters, by directing new and existing science toward vulnerabilities, improving monitoring, producing innovative products, and effective communication of the results. As Chief Scientist, I led the creation of new communication products and oversaw the work of scientists in earthquake and landslide geology and geophysics, marine geology, hydrology, wildfire ecology, geography and economics. Significant achievements included:

The Great ShakeOut ([www.shakeout.org](http://www.shakeout.org)) public preparedness activity organized annual on third Thursday in October) which began as part of the MHDP ShakeOut Scenario with 5.4 million registered participants, and has expanded to an annual exercise with over 43 million participants in most states and 68 countries.

A Debris Flow Early Warning System, operated in cooperation with National Weather System, whereby warnings are issued when rainfall reaches level that could trigger debris flows in recently burned areas (<http://pubs.usgs.gov/fs/2005/3104/>),

The ShakeOut earthquake scenario of a M7.8 earthquake in cooperation with California Geological Survey and other agencies (<http://pubs.usgs.gov/circ/1324> and <http://pubs.usgs.gov/of/2008/1150/>), and

The ARkStorm scenario in cooperation with National Oceanic and Atmospheric Administration and the California Geological Survey (<http://pubs.usgs.gov/of/2010/1312/>).

1998–2006: Scientist-in-charge for Southern California, US Geological Survey, Earthquake Hazards Team, Pasadena Office

The Scientist-in-charge leads the USGS earthquake hazards in southern California, including supervising the USGS scientists working in southern California (30-40 people), setting priorities for the external funding (\$1 million/yr in grants to academic researchers), coordinating with the Southern California Earthquake Center (SCEC) and serving on the SCEC science planning committee, and co-leading the California Integrated Seismic Network with partners at the California Institute of Technology, UC Berkeley and the California Geological Survey (\$10 million/yr). Oversaw the formation of the CISN, and a 50% increase in staff and office space of the USGS Pasadena office.

Leadership for a Democratic Society, Federal Executive Institute, Office of Personnel Management, Charlottesville, VA, (senior executive training), July 15 – August 10, 2001.

1983–1998: Geophysicist, US Geological Survey, Earthquake Hazards Team, Pasadena Office

As a researcher in earthquake statistics, I developed the equations and approaches to estimate the probability of further damaging earthquakes during earthquake sequences. The results of my basic research in earthquake statistics has been adapted to use in many other regions to provide earthquake probabilities for public decision makers. I have collaborated with colleagues in Italy, Japan, Switzerland and New Zealand to prepare procedures to create near-real-time estimates of earthquake probabilities. I advised the Governor's Office

of the State of California on short-term probabilities (within hours) in every earthquake crisis in southern California.

1981–1983: Research Associate, Columbia University in the City of New York, Lamont-Doherty Earth Observatory

Conducted research in rock mechanics and seismology, particularly earthquakes in China and California

1976–1981: Research Assistant, Massachusetts of Technology

Conducted research in rock mechanics and seismology. In February 1979, I was the first American scientist to work in China after normalization of relations to and worked at the Institutes of Geology and Geophysics of the State Seismological Bureau in Beijing.

### Research Interests

Resilience metrics, especially how hazards science can be best utilized in public policy.

Hazard and risk assessment, integrating multiple hazards in the earth and social sciences to facilitate use of science to improve societal resilience

Basic research in mechanics of faulting emphasizing the physics of the earthquake source, probabilistic assessment of short-term earthquake hazards; properties of foreshocks; and seismotectonics structure and state of stress of the crust.

### Professional Service

Resilient America Roundtable	2014-2018
National Research Council of the U.S. National Academy of Sciences	
Mayor's Science Advisor for Seismic Safety	2014
City of Los Angeles	
California Earthquake Prediction Evaluation Council, member	2002-2015
Appointed by State Geologist of California	
Commissioner of the Alfred E. Alquist Seismic Safety Commission,	2002-2009
State of California, Appointed by the Governor of Calif.; Chair (2004-2005)	
Southern California Earthquake Center Leadership	1998-2007
Board of Directors and Joint SCEC-USGS Planning Committee	
Board on Natural Disasters,	1992–1998
National Research Council of the U.S. National Academy of Sciences	
Panel on Regional Networks of the Committee on Seismology,	1987–1990
National Research Council of the U.S. National Academy of Sciences	

### Professional Societies

American Geophysical Union,	member since 1977
Seismology Section Secretary	1998-2000
Seismological Society of America,	member since 1982
Member of the Board of Directors	1990-1996
Chairman of the Publications Committee	1991-1995

**Congressional Testimonies and Briefings**

USGS Briefing to U.S. Congress on The ShakeOut	2009
Testimony to the U.S. Congress, Field hearing of the Subcommittee on Economic Development, Public Buildings and Emergency Management	2006
USGS Briefing to Congress on Earthquake Recording Systems	2003
Testimony to the United States Congress, Subcommittee on Science, Space and Technology on implications of the Northridge earthquake	1994

**Awards**

Gilbert F. White Award and Lecture, AGU Natural Hazards	2018
Frank Press Public Service Award, Seismological Society of America	2018
Distinguished Lecture Award, Earthquake Engineering Research Institute	2017
Distinguished Service Award, US Department of the Interior	2017
Freedom of Information Award, Radio and Television News Association	2017
Lifetime Achievement Award, Western States Seismic Policy Council	2016
Ambassador Award, American Geophysical Union	2015
Hitchcock Professorship, University of California	2015
Samuel J. Heyman Service to America Medal for Citizen Services	2015
William Rogers Distinguished Alumni Award, Brown University	2015
John Harvard Award, Southern California Harvard University Club	2015
President's Award, Business & Industry Council Emergency Planning and Preparedness	2011
Shoemaker Award for Outstanding Communication Product of the Year, U.S. Geological Survey,	2009
Newsweek Magazine, Women in Leadership Honoree	2007
Award of Merit, County and Cities of Los Angeles Emergency Preparedness	2006
Los Angeles Times, 100 Most Powerful People of Los Angeles	2006
Golden Mike Award for Best News Special, Radio Division A	2005
Radio & Television News Association of Southern California	
Shoemaker Award for Lifetime Achievement in Communications, U.S. Geological Survey	2005
Woman of Distinction, Soroptomists International	2003
Meritorious Service Award, Department of the Interior	2002
Founder's Award, Parents and Teachers Association	2000
Alfred E. Alquist Award, Earthquake Safety Foundation	2000
Woman of the Year, Muses of the California Science Center	1999
Southern California Earthquake Center Outreach Award	1998
Woman of the Year, Palm Springs Desert Museum	1998
Women at Work Medal of Excellence	1994
Honoree, Women Making History '93, Sen. Boxer	1993
Fulbright Fellowship	1979
National Science Foundation Graduate Student Fellowship	1977-1980

**Teaching and Mentoring Experience**

Supervised two to four students per year, funded by the MHDP/SAFRR activities, including Ph.D. candidate in Geology at UCLA and MS candidate at California State University at Fullerton and numerous undergraduates.

Established a five-year program to fund one graduate student and one post-doctoral researcher at Caltech who work with USGS researchers.

Served as mentor and on Ph.D. Thesis Committee for Matthew Gerstenberger at ETH Zurich, Switzerland 2003-2005. Served as mentor for numerous USGS Postdoctoral fellows.

Invited lecturer for classes at USC, UCLA, Pasadena City College, Glendale Community College, Art Center College of Design.

### Public Speaking Highlights

Commencement Speaker, California State University at Fullerton	2007
Commencement Speaker, Chapman University	2011
AGU Public Lecture, San Francisco	2013
Commencement Speaker, Mount St. Mary's College	2016
73 <sup>rd</sup> Annual Bowknocker Lecture, Ohio State University	2016

Keynote lectures on natural hazards and resilience for professional groups and public forums five-ten times per year. Representative groups (audience size) in the last five years include Urban Land Institute (300), Orange County Red Cross Disaster Academy (600), Jet Propulsion Laboratory Van Karman Public Lecture (400), International Association of Emergency Managers (500), Structural Engineers Association of Southern California (250), California Hospital Association (1000).

### Publications:

- 1976 Jones, L. M., and P. Molnar, 1976, Frequency of foreshocks, *Nature*, **62**, 667-679.
- 1979 Jones, L. M., and P. Molnar, 1979, Some characteristics of foreshocks and their possible relationship to earthquake prediction and premonitory slip on faults, *J. Geophys. Res.*, **84**, 3596-3608.
- 1980 Jones, L. M., Q. Deng, and P. Jiang, 1980, The role of conjugate faults in the development and occurrence of earthquakes, *Seismology and Geology*, **2**, 19-26, (in Chinese).
- Jones, L. M., 1980, Cyclic loading of simulated fault gouge to large strains, *J. Geophys. Res.*, **85**, 1826-1832.
- 1981 Xu, S. X., B. Q. Wang, L. M. Jones, X. F. Ma, and P. W. Shen, 1981, The Haicheng foreshock sequence and earthquake swarms – the use of foreshock sequences in earthquake prediction, *Acta Seismological Sinica*, **3**, 1-10 (in Chinese).
- Deng, Q. D., P. Jiang, L. M. Jones, and P. Molnar, 1981, A preliminary analysis of reported changes in ground water and anomalous animal behavior before the 4 February 1975 Haicheng earthquake, in **Earthquake Prediction: An International Review**, Maurice Ewing V. 4, Simpson, D. W., and P. G. Richards (eds), Amer. Geophys. Union, Washington, DC., 543-565.

- Jones, L. M., The Mechanics of Faulting, Ph.D. Dissertation, Massachusetts Institute of Technology, Cambridge, MA, 120 pp., 1981.
- 1982 Jones, L. M., B. Q. Wang, S. X. Xu, and T. J. Fitch, 1982, The foreshock sequence of the February 4, 1975, Haicheng earthquake (M=7.3), *J. Geophys. Res.*, **87**, 4575-4584.
- Xu, S. X., B. Q. Wang, L. M. Jones, X. F. Ma, and P. W. Shen, 1982, The Haicheng foreshock sequence and earthquake swarms – the use of foreshock sequences in earthquake prediction, *Tectonophysics*, **85**, 91-105.
- 1984 Jones, L. M., 1984, Foreshocks (1966-1980) in the San Andreas System, California, *Bull. Seismol. Soc. Amer.*, **74**, 1361-1380.
- Jones, L. M., W. B. Han, E. Hauksson, A. S. Jin, Y. G. Zhang, and Z. L. Luo, 1984, Focal mechanisms and aftershock locations of the Songpan earthquakes of August 1976 in Sichuan, China, *J. Geophys. Res.*, **89**, 7696-7707.
- Wesnousky, S. G., L. M. Jones, Q. D. Deng, and C. H. Scholz, 1984, Historical seismicity and crustal deformation along the Ordos block, Northeast China, *Bull. Seismol. Soc. Amer.*, **74**, 1776-1784.
- 1985 Shedlock, K. M., L. M. Jones and X. F. Ma, 1985, Determination of elastic wave velocity and relative hypocenter locations using refracted waves. II. Application to the Haicheng, China aftershock sequence, *Bull. Seismol. Soc. Amer.*, **75**, 427-440.
- Jones, L. M., 1985, Foreshocks and time-dependent earthquake hazard assessment in southern California, *Bull. Seismol. Soc. Amer.*, **75**, 1669-1680.
- 1986 Jones, L. M., and R. S. Dollar, 1986. Evidence for basin-and-range extensional tectonics in the Sierra Nevada: The Durrwood Meadows swarm, Tulare County, California (1983-1984), *Bull. Seismol. Soc. Amer.*, **76**, 439-461.
- Bakun, W. H., J. Bredehoeft, R. O. Burford, W. L. Ellsworth, M. J. S. Johnston, L. M. Jones, A. G. Lindh, C. Mortensen, E. Roeloffs, S. Schulz, P. Segall, and W. Thatcher, 1986, Parkfield earthquake prediction scenarios and response plans, U. S. Geol. Surv. Open-file Rep. 86-365, 53 pp.
- Jones, L. M., L. K. Hutton, D. D. Given, and C. R. Allen, 1986, The North Palm Springs, California, earthquake sequence of July 1986, *Bull. Seismol. Soc. Amer.*, **76**, 1830-1837.
- 1988 Jones, L. M., 1988, Focal mechanisms and the state of stress on the San Andreas fault in southern California, *J. Geophys. Res.*, **93**, 8869-8891.
- Zoback, M. D., M. L. Zoback, V. S. Mount, J. Suppe, J. P. Eaton, J. H. Healy, D. Oppenheimer, P. Reasenber, L. Jones, C. B. Raleigh, I. G. Wong, O. Scotti, and C. Wentworth, 1987, New evidence on the state of stress of the San Andreas Fault System, *Science*, **238**, 1105-1111.
- Hauksson, E., L. Jones, T. Davis, L. K. Hutton, A. G. Brady, P. Reasenber, A. J. Michael, R. F. Yerkes, P. Williams, G. Reagor, C. Stover, A. Bent, A. Shakal, E. Etheredge, R. Porcella, C. Bufe, M. Johnston, E. Cranswick, 1988, The Whittier Narrows earthquake in the Los Angeles metropolitan area, California, *Science*, **239**, 1409-1412
- Jones, L. M., and E. Hauksson, 1988, The Whittier Narrows, California earthquake of October 1, 1987 – Seismology, *Earthquake Spectra*, **4**, 43-54

- Hauksson, E., and Jones, L. M., 1988, The July 1986 Oceanside (ml=5.3) earthquake sequence in the Continental Borderland, southern California: *Bull. Seismol. Soc. Amer.*, **78**, 1885-1906.
- Jones, L. M. and P. A. Reasenber, 1988, Real-time use of foreshocks for earthquake prediction in southern California, Proceeding of Workshop XLVI, The 7<sup>th</sup> U. S.-Japan Seminar on Earthquake Prediction, U. S. Geol. Surv. Open-file Report 90-98, 151-157.
- 1989 Ziony, J. I., and L. M. Jones, 1989, Map showing late Quaternary faults and 1978-1984 seismicity of the Los Angeles region, California, U. S. Geological Survey Misc. Series Map MF-1964.
- Magistrale, H., L. Jones, and H. Kanamori, 1989, The Superstition Hills, California, earthquakes of 24 November 1987, *Bull. Seismol. Soc. Amer.*, **79**, 239-251.
- Reasenber, P. A., and L. M. Jones, 1989, Earthquake hazard after a mainshock in California, *Science*, **243**, 1173-1176
- Hauksson, E. and L. M. Jones, 1989, The 1987 Whittier Narrows earthquake sequence in Los Angeles, southern California: Seismological and tectonic analysis, *J. Geophys. Res.*, **94**, 9569-9590.
- Jones, L. M., and P. A. Reasenber, 1989, A preliminary assessment of the recent increase in earthquake activity in the Los Angeles region, U. S. Geol. Surv. Open-file Rep. 89-162.
- Wald, L. A., and L. M. Jones, 1989, Leaping into CUSP: Local Earthquake Analysis Programs for CUSP Data, U. S. Geol. Surv. Open-file Rep. 89-479
- 1990 Hill, D. P., J. P. Eaton, L. M. Jones, 1990, Seismicity of the San Andreas fault system: 1980-1986, in U. S. Geol. Surv. Prof. Paper 1515, **The San Andreas Fault System, California**, ed. R. E. Wallace, 115-151
- Jones, L. M., K. E. Sieh, E. Hauksson, and L. K. Hutton, 1990, The December 3, 1988 Pasadena, California earthquake: Evidence for strike-slip motion on the Raymond fault, *Bull. Seismol. Soc. Amer.*, **80**, 474-482
- Committee on Seismology, 1990, Panel on Regional Networks (A. C. Johnston, W. J. Arabasz, G. A. Bollinger, J. R. Filson, R. B. Herrmann, L. M. Jones, H. Kanamori), Assessing the Nation's Earthquakes: The Health and Future of Regional Seismograph Networks, National Research Council, National Academy Press, Washington, DC, 67 pp.
- 1991 Hauksson, E., L. Jones, J. Mori, R. Clayton, T. Heaton, H. Kanamori, and D. Helmberger, 1991, Southern California Seismographic Network: Report to the U. S. Geological Survey, August 21, 1990, U. S. Geological Survey Open-File Report 91-38, 68 pp
- Hauksson, E., and L. M. Jones, 1991, The 1988 and 1990 Upland earthquakes: Left-lateral faulting adjacent to the central Transverse Ranges, *J. Geophys. Res.*, **96**, 8143-8165
- Kisslinger, C., and L. M. Jones, 1991, Properties of aftershock sequences in southern California, *J. Geophys. Res.*, **96**, 11,947-11,958.
- Agnew, D. C., and L. M. Jones, 1991, Prediction probabilities from foreshocks, *J. Geophys. Res.*, **96**, 11,959-11,971.
- Jones, L. M., K. E. Sieh, D. C. Agnew, C. R. Allen, R. Bilham, M. Ghilarducci, B. Hager, E. Hauksson, K. Hudnut, D. Jackson, A. Sylvester, 1991, Short-term earthquake hazard

- assessment for the southern San Andreas fault, U. S. Geological Survey Open-File Report 91-32, 29 pp.
- Jones, L. M., D. Morton, and E. Hauksson, 1991, The Sierra Madre earthquake of June 28, 1991: Seismology and geology, *The Southern California Earthquake Bulletin*, Spec. Bull. **1**, Southern California Earthquake Preparedness Project, publ., 1-7
- 1992 Hutton, L. K., L. M. Jones, E. Hauksson, and D. D. Given, 1992, Seismotectonics of southern California, in **Neotectonics of North America**: Boulder, CO, Geol. Soc. Amer., Decade Map Volume 1, 133-152
- Bryant, A. S., and L. M. Jones, 1992, Anomalous deep earthquakes in the crust beneath the Ventura Basin, southern California, *J. Geophys. Res.*, **97**, 437-447
- Hauksson, E., K. Hutton, K. Douglass, and L. M. Jones, 1992, Earthquake Atlas of Southern California 1978 – 1990, in *Engineering Geology Practice in Southern California*, ed. By R. Proctor and B. W. Pipkin, Association of Engineering Geologists, Belmont, CA., p. 181-192.
- Mori, J., K. Hudnut, L. Jones, E. Hauksson, and L. K. Hutton, 1992. Rapid scientific response to the Landers earthquake, *Trans. Amer. Geophys. U.*, **73**, 417-419
- 1993 Hutton, L. Katherine, and L. M. Jones, 1993, Local magnitudes and apparent variations in seismicity rates in southern California, *Bulletin of the Seismological Society of America* **April 1993** v. 83 no. 2 p. **313-329**.
- Kanamori, H., J. Mori, E. Hauksson, T. H. Heaton, L. K. Hutton, and L. M. Jones, 1993, Determination of earthquake energy release and  $M_L$  using TERRAScope, *Bull. Seismol. Soc. Amer.*, **83**, 330-346.
- Jones, L. M., E. Hauksson, and J. Mori, 1993. The Landers earthquake: Preliminary instrumental results, *Earthquakes and Volcanoes*, **23**, 200-208.
- Sieh, K., L. M. Jones, E. Hauksson, K. Hudnut, D. Eberhart-Phillips, T. Heaton, S. Hough, K. Hutton, H. Kanamori, A. Lilje, Scott Lindvall, Sally F. McGill, James Mori, Charles Rubin, James Spotila, Joann Stock, Hong Kie Thio, Jerome Treiman, Brian Wernicke, Judith Zachariassen, 1993. Near-field investigations of the Landers earthquake sequence, April-July, 1992, *Science*, **260**, 171-176
- Hill, D., et al. (inc. L. M. Jones), Seismicity remotely triggered by the magnitude 7.3 Landers, California earthquake, *Science*, **260**, 1617-1623, 1993.
- 1994 Jones, L. M., 1994, Foreshocks, aftershocks and earthquake probabilities: Accounting for the Landers earthquake, *Bull. Seismol. Soc. Amer.*, **84**, 892-899
- Reasenber, P.A., and L. M. Jones, 1994, Earthquake Aftershocks: Update, *Science*, **265**, 1251-1252.
- Scientists of the USGS and SCEC, 1994, The magnitude 6.7 Northridge, California, earthquake of January 17, 1994, *Science*, **266**, 389-397
- Hauksson, E., and L. M. Jones, 1994, The Northridge, California, earthquake of January 17, 1994, and its aftershocks, *Earthquakes and Volcanoes*, **25**, 18-30.



- 1995 Hauksson, E., and L. M. Jones, 1995, The Northridge earthquake of January 17, 1994 Reconnaissance Report: Seismology, *Earthquake Spectra*, Supplement C to Vol. 11.
- Hauksson, E., L. Jones, and K. Hutton, 1995, The 1994 Northridge earthquake sequence in California: Seismological and tectonic aspects, *J. Geophys. Res.*, **100**, 12,335-12,356.
- Jones, L. M., 1995, Putting Down Roots in Earthquake Country, SCEC Spec. Publ..
- Hauksson, E., K. Hutton, H. Kanamori, L. Jones, J. Mori, S. Hough, and, G. Roquemore, 1995, Preliminary report on the 1995 Ridgecrest earthquake sequence in eastern California, *Seismol. Res. Lett.*, **66**, 54-60.
- 1997 Jones, L. M. and E. Hauksson, 1997, The seismic cycle: Precursor or response? *Geophys. Res. Lett.*, **24**, 469-472.
- Hough, S., and L. M. Jones, 1997, Aftershocks: Are they earthquakes or afterthoughts, *EOS Trans. Amer. Geophys. U.*, **78**, 505-507.
- 1998 Michael, A., and L. Jones, 1998, A re-evaluation of the seismicity alert probabilities at Parkfield, California, *Bull. Seismol. Soc. Amer.* **88**, 117-130.
- Mori, J., H. Kanamori, J. Davis, E. Hauksson, R. Clayton, T. Heaton, L. Jones, and A. Shakal, and R. Porcella, 1998, Major improvements in progress for southern California earthquake monitoring, *EOS Trans. Amer. Geophys. U.*, **79**, 217, 221.
- U.S.-Japan Earthquake Policy Symposium Observer Panel (W. Iwan, W. Hall, L. Jones, S. Masaki-Schatz, P. Somerville, T. Tobin), 1998, Report of the Observer Panel for the U.S.-Japan Earthquake Policy Symposium, National Research Council, National Academy Press, Washington, DC, 64 pp.
- 1999 Board On Natural Disasters (inc. L. Jones), 1999, Reducing Disaster Losses Through Better Information, National Research Council, National Academy Press, Washington, DC, 61 pp.
- 2000 Scientists from the U.S. Geological Survey, Southern California Earthquake Center, and Calif. Div. of Mines and Geology, Preliminary Report on the 16 October 1999 M 7.1 Hector Mine, California, Earthquake, *Seismol. Res. Lett.* **71**, 11-23, 2000.
- Jones, L. M., True Confessions from a Magnitude-Weary Seismologist, 2000, *Seismol. Res. Lett.*, **71**, 395-396.
- dePolo, Craig M. L. M. Jones, D. M. dePolo, S. Tingley, 2000, Living with earthquakes in Nevada; a Nevadan's guide to preparing for, surviving, and recovering from an earthquake, Nevada Bureau of Mines and Geology, Report: 27, 36 pp.,
- 2001 Field, N., L. M. Jones, T. Jordan, M. Benthien, and L. Wald, 2001, Earthquake shaking; finding the "hotspots", U. S. Geological Survey Fact Sheet, 0001-01, 2 pp.
- Hauksson, E., P. Small, K. Hafner, R. Busby, R. Clayton, J. Goltz, T. Heaton, K. Hutton, H. Kanamori, J. Polet, D. Given, L. M. Jones, and D. Wald, Southern California Seismic Network: Caltech/USGS Element of TriNet 1997-2001, *Seism. Res. Lett.* **72**, 697-711, 2001
- 2002 Hauksson, E., L. M. Jones, K. Hutton, The 1999 Mw7.1 Hector Mine, California earthquake sequence: complex conjugate strike-slip faulting, *Bull. Seismol. Soc. Am.*, **92**, 1154-1170, 2002.

- Hauksson, E., L. M. Jones, S. Perry, K. Hutton, Emerging from the Stress shadow of the 1992 Mw7.3 Landers southern California earthquake? A preliminary assessment, to *Seism. Res. Lett.* **73**, 33-38, 2002.
- Graizer, V., A. Shakal, C. Scrivner, E. Hauksson, J. Polet, L. Jones, TriNet strong-motion data from the M7.1 Hector Mine, California of October, 16, 1999, *Bull. Seismol. Soc. Am.* **92**, 1525-1542, 2002.
- 2003 Hauksson, E., L.M. Jones, A. Shakal, TriNet, *Int'l. Handbook of Earthquake and Engineering Seismology: Centennial publication of the Intl'. Assn. Of Seism. and Physics of the Earth's Interior*, P. Jennings, H. Kanamori, and W. Lee (eds), 2003.
- Donna Eberhart-Phillips, Peter J. Haeussler, Jeffrey T. Freymueller, Arthur D. Frankel, Charles M. Rubin, Patricia Craw, Natalia A. Ratchkovski, Greg Anderson, Gary A. Carver, Anthony J. Crone, Timothy E. Dawson, Hilary Fletcher, Roger Hansen, Edwin L. Harp, Ruth A. Harris, David P. Hill, Sigrún Hreinsdóttir, Randall W. Jibson, Lucile M. Jones, Robert Kayen, David K. Keefer, Christopher F. Larsen, Seth C. Moran, Stephen F. Personius, George Plafker, Brian Sherrod, Kerry Sieh, Nicholas Sitar, and Wesley K. Wallace, The 2002 Denali Fault Earthquake, Alaska: A Large Magnitude, Slip-Partitioned Event, *Science*, May 16, 2003, 1113-1118.
- Ogata, Y., Jones, L. M. and Toda, S. (2003). When and where the aftershock activity was depressed: Contrasting decay patterns of the proximate large earthquakes in southern California, *Journal of Geophysical Research*, Vol. 108, No. B6, 2318
- 2004 California Seismic Safety Commission Research Committee, (L. Jones, chair), 2004, A Safer, More Resilient California: The State Plan for Earthquake Research, 14 pp., CSSC 04-01.
- California Seismic Safety Commission, 2004, Findings and Recommendations from the San Simeon Earthquake of December 22, 2003, 10 pp., CSSC 04-02.
- Jones, L. M., and M. Benthien, 2004, Putting Down Roots in Earthquake Country, SCEC Spec. Publ.
- Gerstenberger, Matt, Wiemer, Stefan, and Jones, Lucy, 2004, Real-time forecasts of tomorrow's earthquakes in California: a new mapping tool: U.S. Geological Survey Open-File Report 2004-1390.
- California Seismic Safety Commission Ad Hoc Committee on School Safety (L. Jones, chair), 2004, Seismic Safety in California's Schools: Findings and Recommendations on Seismic Safety Policies and Requirements For Public, Private and Charter Schools, 12 pp., CSSC 04-04
- 2005 Gerstenberger, M., S. Wiemer, L. Jones, and P. Reasenber, 2005, Real-time forecasts of tomorrow's earthquakes, *Nature*, May 19, 859.
- 2006 California Seismic Safety Commission Ad Hoc Committee on Tsunami Safety (L. Jones, chair), 2006, The Tsunami Threat to California, 24 pp., CSSC 05-03,
- 2007 Jones, L., and Cox, D. A., 2007, Increasing the resilience to natural hazards in southern California, *U.S. Geological Survey Fact Sheet 2007-3037*.
- Lucy Jones, Richard Bernknopf, Susan Cannon, Len Gaydos, Jon Keeley, Monica Kohler, Homa Lee, Daniel Ponti, Stephanie Ross, Steven Schwarzbach, Michael Shulters, A.

- Wesley Ward, Anne Wein, 2007, Increasing Resiliency to Natural Disasters: A Strategic Plan for the Multi-hazards Demonstration Project in Southern California, USGS Open file Report 2007-1255, 31 pp.
- 2008 Jones, Lucile M., Bernknopf, Richard, Cox, Dale, Goltz, James, Hudnut, Kenneth, Mileti, Dennis, Perry, Suzanne, Ponti, Daniel, Porter, Keith, Reichle, Michael, Seligson, Hope, Shoaf, Kimberley, Treiman, Jerry, and Wein, Anne, 2008, The ShakeOut Scenario: U.S. Geological Survey Open-File Report 2008-1150 and California Geological Survey Preliminary Report 25 [<http://pubs.usgs.gov/of/2008/1150/>].
- Perry, Suzanne, Cox, Dale, Jones, Lucile, Bernknopf, Richard, Goltz, James, Hudnut, Kenneth, Mileti, Dennis, Ponti, Daniel, Porter, Keith, Reichle, Michael, Seligson, Hope, Shoaf, Kimberley, Treiman, Jerry, and Wein, Anne, 2008, The ShakeOut Earthquake Scenario; a story that southern Californians are writing: U.S. Geological Survey Circular 1324 and California Geological Survey Special Report 207, 16 p. [<http://pubs.usgs.gov/circ/1324/>].
- 2010 Thomas H. Jordan and Lucile M. Jones, 2010, Operational Earthquake Forecasting: Some Thoughts on Why and How, *Seismological Research Letters*, July/August 2010, v. 81, p. 571-574, doi:10.1785/gssrl.81.4.571
- 2011 American Red Cross Multi-Disciplinary Team, 2011. Report on the 2010 Chilean earthquake and tsunami response. U.S. Geological Survey Open-File Report 2011-1053, vi, 59 p.; Appendices
- 2012 Dettinger, M.D., Ralph, F.M., Hughes, M., Das, T., Neiman, P., Cox, D., Estes, G., Reynolds, D., Hartman, R., Cayan, D., and Jones, L., 2012, Design and quantification of an extreme winter storm scenario for emergency preparedness and planning exercises in California: *Natural Hazards* Volume 60, Number 3, 1085-1111, DOI: 10.1007/s11069-011-9894-5
- Jones, L. M., & Benthien, M, 2012. Preparing for a “Big One”: The Great Southern California ShakeOut. *Earthquake Spectra*, 27(2), 575–595. doi:doi: 10.1193/1.3586819
- Perry, S., Jones, L., & Cox, D., 2012. Developing a Scenario for Widespread Use: Best Practices, Lessons Learned. *Earthquake Spectra*, 27(2), 263–272. doi:doi: 10.1193/1.3574445
- Porter, K., Jones, L., Cox, D., Goltz, J., Hudnut, K., Mileti, D., Perry, S., et al., 2012. The ShakeOut scenario: a hypothetical Mw7. 8 earthquake on the southern San Andreas fault. *Earthquake Spectra*, 27(2), 239–261. doi:doi: 10.1193/1.3563624
- 2013 Holmes, Robert R., Jr.; Jones, Lucile M.; Eidenshink, Jeffery C.; Godt, Jonathan W.; Kirby, Stephen H.; Love, Jeffrey.J.; Neal, Christina A.; Plant, Nathaniel G.; Plunkett, Michael L.; Weaver, Craig S.; Wein, Anne; Perry, Suzanne C., U.S. Geological Survey natural hazards science strategy: promoting the safety, security, and economic well-being of the Nation, USGS Circular: 1383-F, 2013.
- Perry, Suzanne C.; Jones, Lucile M.; Holmes, Robert R., Jr., Natural Hazards Science at the U.S. Geological Survey, USGS Fact Sheet: 2013-3082, 2013.
- Ross, Stephanie; Jones, Lucile, editors. The SAFRR (Science Application for Risk Reduction) Tsunami Scenario, USGS Open-File Report: 2013-1170, 2013.

Ross, Stephanie L.; Jones, Lucile M.; Miller, Kevin; Porter, Keith A.; Wein, Anne; Wilson, Rick I.; Bahng, Bohyun; Barberopoulou, Aggeliki; Borrero, Jose C.; Brosnan, Deborah M.; Bwarie, John T.; Geist, Eric L.; Johnson, Laurie A.; Kirby, Stephen H.; Knight, William R.; Long, Kate; Lynett, Patrick; Mortensen, Carl E.; Nicolisky, Dmitry J.; Perry, Suzanne C.; Plumlee, Geoffrey S.; Real, Charles R.; Ryan, Kenneth; Suleimani, Elena; Thio, Hong Kie; Titov, Vasily V.; Whitmore, Paul M.; Wood, Nathan J., SAFRR (Science Application for Risk Reduction) Tsunami Scenario--Executive Summary and Introduction: Chapter A in *The SAFRR (Science Application for Risk Reduction) Tsunami Scenario*, USGS Open-File Report: 2013-1170-A, 2013.

Ross, Stephanie L.; Jones, Lucile M.; Miller, Kevin; Porter, Keith A.; Wein, Anne; Wilson, Rick I.; Bahng, Bohyun; Barberopoulou, Aggeliki; Borrero, Jose C.; Brosnan, Deborah M.; Bwarie, John T.; Geist, Eric L.; Johnson, Laurie A.; Kirby, Stephen H.; Knight, William R.; Long, Kate; Lynett, Patrick; Mortensen, Carl E.; Nicolisky, Dmitry J.; Perry, Suzanne C.; Plumlee, Geoffrey S.; Real, Charles R.; Ryan, Kenneth; Suleimani, Elena; Thio, Hong Kie; Titov, Vasily V.; Whitmore, Paul M.; Wood, Nathan J., The SAFRR tsunami scenario: improving resilience for California, USGS Fact Sheet: 2013-3081, 2013.

2014 Real, Charles R.; Johnson, Laurie; Jones, Lucile M.; Ross, Stephanie, Improving tsunami resiliency: California's Tsunami Policy Working Group, in *Tsunami Events and Lessons Learned Advances in Natural and Technological Hazards Research*, Volume 35, 2014, pp 377-386, 2014.

Burkett, Erin R.; Given, Douglas D.; Jones, Lucile M., ShakeAlert: an earthquake early warning system for the United States West Coast, USGS Fact Sheet: 2014-3083, 2014.

2015 Jones, Lucile M., Resilience by Design: Bringing science to policy makers, *Seismological Research Letters*, Volume 86, Number 2A March/April 2015, pp. 294-305 doi: 10.1785/0220150010

2017 Hauksson, E., M.-A. Meier, Z. E. Ross, and L. M. Jones, Evolution of seismicity near the southernmost terminus of the San Andreas Fault: Implications of recent earthquake clusters for earthquake risk in southern California, *Geophys. Res. Lett.*, 44, doi:[10.1002/2016GL072026](https://doi.org/10.1002/2016GL072026).

Jones, Lucy, "We March Because Reality Matters," *Los Angeles Times*, April 22, 2017

2018 Jones, Lucy, **The Big Ones: Natural Hazards that Have Shaped Us (And What We Can Do About Them)**, Doubleday Books, New York, NY, 257pp.

Jones, Lucy, "What qualifies a quake as The Big One? What happens afterward," *Los Angeles Times*, April 18, 2018