



**EARTHQUAKE ENGINEERING
RESEARCH INSTITUTE
NEWSLETTER**

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**EARTHQUAKE ENGINEERING
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News of the Institute

**Teams to Face off in Entertaining 7NCEE
Debate**

The steering committee of the 7th U.S. National Conference on Earthquake Engineering, to be held in Boston this month, has planned a debate, scheduled for Monday July 22, 8:00-10:00 p.m., that is shaping up to be entertaining as well as edifying. The topic of the debate will be the following: *"It will take a major devastating earthquake east of the Rockies to ensure that national earthquake-resistant requirements become mandatory."* It was chosen for having national interest and requiring a multidisciplinary perspective.

The debate moderator will be Michel Bruneau, co-chair of the conference steering committee. The team arguing in favor of the topic statement will be comprised of Thomas O'Rourke (team leader), Jim Beavers, Mary Comerio, and Farzad Naeim. On the opposing team will be Ian Buckle (team leader), Dan Alesch, Andrew Whittaker, and Peter Yanev. Each team has geographical and multidisciplinary representation.

The debate is intended to provoke the audience to think about issues germane to earthquake engineering and the merit or lack of merit of having a mandatory National Seismic Code. The debating teams will use their broad knowledge and skills, and original approaches and points of view, to convince the audience to vote in agreement or disagreement on the statement presented as the topic. Unconstrained from the rigors of any specific discipline, the debaters will bring arguments from as far afield as possible and will use any artifice (PowerPoint presentations, visuals, gadgets, or props) deemed necessary to argue their point. Teams will not be penalized for promoting outrageous or controversial ideas. They will be provocative in their approach and may appear irreverent or insensitive at times. They may promote views diametrically opposed to what they are known to believe, as their primary responsibility will be to stimulate the audience's interest in the broader issues of earthquake engineering and to challenge us into deep reflection on the issue at hand. While respectful verbal attacks on the opposing team will be allowed, fisticuffs will result in two-minute penalties for misconduct.

The audience will NOT be asked to vote on what they perceive to be the correct answer to the debate statement, but rather to vote for the team that submitted the best arguments in support of its assigned position and most successfully conveyed profound and inspiring insight in the most entertaining and enjoyable manner possible. The vote will be taken by duration and level of applause. There will be prizes for first and second place.



Boston Public Gardens, adjacent to Boston Commons. (Photo: Gene Lee, web site: <http://www.home.inforamp.net/~genel/boston/boston.html>)

News of the Profession

EERI Members Appointed to Seismic Safety Commission

On May 23, Governor Gray Davis announced the appointments of EERI members Lucile M. Jones and Donald R. Parker to serve on the California Seismic Safety Commission.

Lucy Jones will be representing seismology issues on the commission. She has more than 18 years of experience as a geophysicist with the U.S. Geological Survey (USGS). She is scientist-in-charge for the Pasadena Earthquake Hazards Office of the USGS. Previously, she was a research associate at the National Research Council, the USGS Pasadena Office, and at the Lamont-Doherty Geological Observatory of Columbia University. In the year 2000, she was awarded the Alfred E. Alquist Medal by the California Earthquake Safety Foundation for Outstanding Achievement in Earthquake Mitigation for her ability to reach out to the public and make scientific matters understandable.



Dr. Lucile M. Jones



Donald R. Parker

Jones is a member of the American Geophysical Union and the Seismological Society of America. She earned her B.A. from Brown University, and her Ph.D. from the Massachusetts Institute of Technology.

Don Parker will be representing fire protection issues on the commission. Parker is the fire chief for the city of Vallejo. Previously, he spent 33 years with the city of Oakland Fire Department, where he was responsible for the city's emergency medical programs, the administration of the Oakland Fire Service's education and training programs, and the operation of the Oakland Fire Department Training Center. Parker is a member of the International Association of Fire Chiefs, and the California Professional Firefighters Association.

Other appointments to the commission were Santa Clara County Supervisor James T. Beall, and insurance agent Celestine W. Palmer.

The mission of the Seismic Safety Commission is to improve the well-being of the people of California through cost-effective measures that lower earthquake risk to life and property. The commission works with federal, state, and local agencies as well as the private sector on a variety of activities that guide and stimulate earthquake risk reduction and management. Members do not receive a salary. These positions require state senate confirmation.

Obituary

Charles Lindbergh

Charles Lindbergh, professor emeritus of civil and environmental engineering at The Citadel and president of the engineering firm Lindbergh & Associates, died on May 18 at the age of 65. Lindbergh was a user advisor to the Mid-America Earthquake Center and a former member of the board of directors of the Applied Technology Council.

Lindbergh was active in promoting the requirement of seismic design provisions in building codes in the eastern United States and was involved in the development of modern seismic codes, including the IBC 2000. He helped to establish the South Carolina Volunteer Technical Assistance Group, which provides technical assistance in the aftermath of natural disasters. He led the formation of a South Carolina bridge seismic retrofit program, and in 1996 directed the development of seismic design criteria manuals for new and existing bridges for the South Carolina Transportation Department. He was a primary consultant to the Air Force regarding its Seismic Safety Program and co-authored a major earthquake vulnerability study of the Charleston area.

Lindbergh was born in Charleston and graduated from The Citadel in 1958. He earned a master's degree and a doctorate at Oklahoma State University. After serving in the Air Force for 20 years, he returned to The Citadel, where he served as head of the Civil Engineering Department and retired as Associate Dean of Engineering Program Development. He is survived by his wife, a son, a daughter, and two granddaughters. Contributions to the Charles Lindbergh Memorial Scholarship Fund can be sent to: The Citadel Foundation, 171 Moultrie Street, Charleston, SC 29409.

Announcements

2000 IBC Seminars

ICBO and NCSEA, in cooperation with S. K. Ghosh Associates, Inc., have scheduled the final series of seminars on the structural provisions of the 2000 IBC at the following locations:

Sept. 19, 2002 Atlanta, GA
 Sept. 20, 2002 Chicago, IL
 Oct. 15, 2002 Sioux Falls, SD
 Oct. 16, 2002 Fargo, ND
 Oct. 17, 2002 Wichita, KS
 Oct. 29, 2002 Atlantic City, NJ
 Oct. 30, 2002 Manchester, NH
 Oct. 31, 2002 Portland, ME

These intensive one-day seminars address the following code provisions:

- Seismic, wind, and other design loads
- Quality assurance, special inspection, and testing programs
- Soils and foundations
- Design requirements for concrete, masonry, steel, and wood.

These seminars are being presented by speakers who have been directly involved with the development of the 2000 IBC. They are Dr. S. K. Ghosh, President, S. K. Ghosh Associates, Inc.; and Gerald Neville, ICBO Seminar Services.

The registration fee is \$235 for members of Structural Engineers Associations and ICBO members, and \$285 for nonmembers. Registrations received 30 days before the scheduled seminar receive a \$25 discount.

For more information and to register for this seminar, visit ICBO's web site at www.icbo.org or call (800) 423-6587, x 3418. Information is also available at www.skghoshassociates.com.

Announcements

Steel Connection Seminars

Two one-day seminars conducted by the Steel Structures Technology Center will be offered in several cities this fall.

The **Structural Welding: Design and Specification** course incorporates the AWS D1.1 Structural Welding Code — Steel, revised for 2002. The seminar is geared for structural and civil engineers and those involved in the fabrication and erection of steel-framed structures. Course topics include weld design rules and restrictions, weld design methods, welding economics and constructability, use of prequalified joints, welding procedures, fabrication criteria, inspection functions and acceptance criteria, nondestructive testing, retrofitting existing structures, and welding symbols.

The **Steel Connections: Seismic Applications** seminar will focus on the design and details of welded and bolted connections classified as prequalified under the recently published FEMA 350, *Recommended Seismic Design Criteria for New Steel Moment-Frame Buildings*. Included will be the specifications, welding, bolting, quality control, and quality assurance provisions of FEMA 353, *Recommended Specifications and Quality Assurance Guidelines for Steel Moment-Frame Construction for Seismic Applications*.

The fee for each seminar is \$185 per person. Those who register for both seminars may attend for a combined rate of \$340. A group discount is available for groups of three or more from the same firm or agency. Certificates awarding 0.65 CEU's or 6.5 PDH's will be provided to attendees completing each course. For further information on this seminar, contact the Steel Structures Technology Center, 24110 Meadowbrook Road, Suite 104, Novi, MI 48375-3406, phone 248/893-0132, fax 248/893-0134, or visit the SSTC web site at www.steelstructures.com.

Publications

BSSA Special Issue on the 1999 Izmit, Turkey Earthquake

The February 2002 (Vol. 92, No. 1) issue of the *Bulletin of the Seismological Society of America* is a special issue on the 1999 Izmit earthquake, edited by M. Nafi Toksöz. This special issue focuses on results of investigations into all seismological, tectonic, and earthquake engineering aspects of the earthquake and its aftershocks. The Izmit earthquake (Mw = 7.4) was the eighth of a series of major earthquakes that have ruptured the North Anatolian Fault, from east to west, for more than 100 km since 1939. The earthquake caused extensive damage and more than 17,000 deaths. The earthquake was in a well-instrumented area and generated large amounts of data relevant for scientific, engineering, geological, tectonic, and earthquake hazard mitigation studies. Surface faulting was observed for about 120 km. The Izmit earthquake was followed by the Duzce event (Mw = 7.2) three months later, which extended the fault rupture to the east. It also raised the question of increased earthquake hazard along the western extension of the fault near the greater Istanbul area, with a population of 13 million.

News of the Institute

Summary Minutes of the February 6, 2002 Meeting of the Board of Directors

Preliminaries: President Chris Poland called the meeting to order at 8:50 a.m. Present were President-Elect Thomas O'Rourke, Secretary/Treasurer Ron Mayes, and Directors Sergio Alcocer, Donald Ballantyne, Svetlana Brzev, Mary Comerio, Mel Green, and Dennis Mileti. Also present were Executive Director Susan Tubbesing and Administrative Assistant Juliane Lane. Poland welcomed new Directors Ballantyne and Comerio, and President-Elect O'Rourke.

Election of officers: Mileti moved to re-elect Mayes as Secretary/Treasurer. The motion passed unanimously. Poland moved to elect Brzev as Vice President. The motion passed unanimously.

2002 Board meetings: Poland laid out the schedule for 2002 Board meetings. The May meeting will be held in conjunction with a technical seminar, which will focus on the development of a regional seismic scenario and may encourage launching a regional chapter.

Board goals: Poland requested Board members to state their goals. The directors expressed interest in increasing international activities, increasing regional chapter activity, attracting younger members and non-engineers such as social and policy experts and architects, and influencing local and national policy makers.

EERI Research Plan — DC Meetings: Poland updated the Board on a recent meeting in Washington D.C. focusing on the draft research plan being developed by EERI.

Agency representatives urged EERI to take a broad perspective. The plan should be written to accommodate the research and implementation needs for other natural hazards. There has to be a common voice, with EERI taking the lead in developing and implementing a lobbying strategy on behalf of the plan and natural hazard mitigation.

Emergency Preparedness Center collaboration: The Board approved a \$1,000 donation to the Oakland North Hills Landscape Committee as part of EERI's commitment to improve public understanding and involvement in mitigation along the Hayward fault, noting that this is part of "our neighborhood," where many EERI members live and work.

Revenue and Expense reports and review of financial reports: Mayes reviewed the Report of Revenue and Expenses as of December 31, 2001. The combined balance sheet showed that the Institute's opening fund balance of \$241,865 was decreased by \$100,000 transferred to the Endowment Fund, then decreased by expenses of \$14,222 over revenue.

EERI's total liabilities balance of \$493,575 combined with the total fund balance equaled \$621,218. The Endowment Program's opening fund balance of \$708,443 was increased by \$100,000 transferred from the Institute's General Fund, then decreased by \$102,344 in expenses for a balance of \$706,099. The Endowment Program's total liabilities of \$329,927, combined with the total fund balance, equaled \$1,036,026. All programs combined, including association, technical, and endowment, totaled \$1,657,244.

The Investment Funds Report showed \$39,492 in the General Administrative Short-Term Fund, \$35,182 in the General Administrative Long-Term Fund, and \$701,399 in the Endowment Fund. The Innova-

tion Prize Investment Fund totaled \$203,954. The Institute's interest-bearing checking account showed a balance of \$161,184. The combined invested funds in both General Administrative Funds totaled \$235,858.

Endowment Annual Report and recommendations: The Board accepted a request from the Endowment Committee for \$100,000 to move ahead on three projects: 1) developing guidelines for regional scenarios; 2) charrettes for young architects and engineers ("charrette" is a Beaux Arts-derived term for a short, intensive design or planning activity); and 3) vulnerability assessment for mass transit (to be done jointly with ASCE). This last project is in keeping with EERI's goal to reach out to other disciplines.

Online Spectra: access and advertising: Poland polled each of the directors on their opinions regarding access and advertising in the new online *Spectra*. The Board was generally supportive of the idea but looks to the Publications Policy Committee and the *Spectra* Editorial Board. O'Rourke will discuss these issues with both the committee and the board and will bring their comments to the Saturday Board-Committee Chair meeting at the conclusion of the Annual Meeting.

Review and revise EERI Strategic Plan, "The Future of EERI": Poland introduced the plan and its intent for the benefit of the new directors. The vision and the role remain the same. The "five-year goals" are as follows: 1) strengthen EERI's position as the primary advocate of earthquake safety and risk reduction; 2) identify and support seismic advocates at all levels of society and in all the disciplines; 3) galvanize a cadre of seismic risk reduction experts with lessons that are learned in earthquakes;

4) obtain government support for all forms of pre- and postearthquake mitigation; and 5) achieve financial independence.

EERI's international strategy:

Alcocer has spoken with IAEE and sees no problem with EERI developing partnerships with sister organizations. He stated that international members should be requested to take part in committees, such as the organizing committee of an Annual Meeting. Alcocer's opinion is that EERI could help diminish the language barrier by translating the web site into Spanish. He also stated that including participation by significant or influential members of EERI at international events could promote membership. Alcocer has composed a core group of people for the International Activities Committee, consisting of Craig Comartin, James Jirsa, Masayoshi Nakashima, Polat Gulkan, Ricardo Guzman, Marc Badoux and Juan Diego Jaramillo. It will be an administrative committee of the Board.

Board members meet with Development Committee: This meeting was attended by all the members of the board except Director Mileti. Also present were Executive Director Tubbesing and Administrative Assistant Lane. Members of the Development Committee in attendance included Committee Chair David Friedman, Craig Comartin, and staff Development and Outreach Director Victoria Costello. Friedman reaffirmed the committee's commitment to two goals: 1) the financial stability of EERI, and 2) achieving a \$2 million endowment. The major donor campaign remains the primary focus of the Development Committee. In addition, Costello will focus her attention on obtaining foundation support for specific projects, such as the Housing Project and the Mitigation Center.

The meeting adjourned at 5:30 p.m.

News of the Membership

Isenberg, Viest, and Matasovic Receive Honors

EERI member **Jeremy Isenberg** has been awarded the 2002 Dennis L. Tewksbury Award by the Structural Engineering Institute (SEI) of the American Society of Civil Engineers. The Dennis L. Tewksbury Award was established in February 2000 by the SEI Board of Governors to recognize distinguished service to the Institute.

As part of the celebration of the 50th anniversary of the founding of the Technical University of Kosice in Slovakia and the 25th anniversary of the establishment of its Civil Engineering Department, the university conferred on EERI member **Ivan M. Viest** the title Doctor Honoris Causa. Viest was honored for significant contributions to the development of the theory and methods of design of civil engineering structures and for effective cooperation with scientific research entities in the Slovak Republic, with special emphasis on cooperation with the civil engineering faculty of the Technical University in Kosice.

EERI member **Neven Matasovic** received the 2001 Shamsheer Prakash Bi-Annual Prize for Excellence in the Practice of Geotechnical Engineering. He was cited for "significant contributions to seismic design of landfills, nonlinear seismic response and deformation analysis, and geotechnical earthquake engineering for highways."



Neven Matasovic

Announcements

Fellowships at the ROSE School

The European School of Advanced Studies in Reduction of Seismic Risk (ROSE) was founded in the autumn of 2000 with the aim of providing higher-level education in the field of earthquake engineering. The syllabus offers a comprehensive set of subjects covering applied mechanics, structural engineering, earthquake engineering, engineering seismology, and soil dynamics, with emphasis on both theoretical background and design considerations.

In December 2001, the European Commission designated the ROSE School as a Marie Curie Training Site, providing funds to finance postgraduate scholarships with a duration of three to 12 months. The fellowships, with a value of 1200 euros per month, may be awarded to Ph.D. students who are currently undertaking research work on topics related to earthquake engineering, and who might wish to spend a relatively short period of time at the ROSE School, attending courses or carrying out research work under the supervision of one of the faculty members. Detailed instructions on how to submit an application can be found at the ROSE School web site: www.roseschool.it.

PLEASE POST IMMEDIATELY



Earthquake Hazards Reduction Fellowship Announced

Under a cooperative agreement established with FEMA, the Earthquake Engineering Research Institute is pleased to offer the **2003 Professional Fellowship** to provide an opportunity for a practicing professional to gain greater skills and broader expertise in earthquake hazards reduction, either by enhancing knowledge in the applicant's own field, or by broadening knowledge in a related but unfamiliar field.

Who Should Apply?

This unique fellowship is designed to bring together an experienced career professional with other professionals conducting significant research, thereby providing opportunities to both enrich the applicant's knowledge and skills and to broaden the research base with challenges faced in practice. The Professional Fellowship is not intended to fund work towards a degree.

The Award

The fellowship provides a stipend of \$30,000, commencing in January 2003, to cover tuition, fees, and relocation and living expenses. The fellowship will be awarded on the basis of a specific project, with the proposed work or course of study to be carried out over a period of up to one year. The recipient will have the flexibility to work less than full time with the host institution and academic sponsor, with the understanding that the effort will result in a deliverable by the end of twelve months.

Criteria

Applicants must provide a detailed work plan for a research project that would be carried out in the twelve-month period. The Fellow will be expected to produce a written report upon completion of the project. All applications must be accompanied by a professional resume and letter of nomination from the faculty host at the cooperating educational institution. Faculty members should also indicate the institution's ability to provide research facilities, including library, work space, telephone, and computer access. Applicants must hold U.S. citizenship or permanent resident status.

To Apply

Candidates may obtain an application form from the Earthquake Engineering Research Institute, 499 14th Street, Suite 320, Oakland, California 94612-1934, tel: (510) 451-0905, fax: (510) 451-5411, e-mail: eeri@eeri.org, or from EERI's web site at <http://www.eeri.org>.

Deadline for receipt of all application materials at EERI is October 7, 2002.

Announcement of the award will be made November 15, 2002.

CALENDAR

Items that have appeared previously are severely abbreviated. The issue containing the first, or most informative, appearance is indicated at the entry's end. Items listed for the first time are shown in **bold**.

2002

JULY

21-25. 7th National Conference on Earthquake Engineering, Boston, MA. Info: www.eeri.org. See page 1. (8/01, 9/01, 10/01, 11/01, 1/02, 2/02, 3/02, 4/02, 5/02, 6/02)

AUGUST

15-20. ANCER Annual Meeting and Symposium in Honor of Huixian Liu, Harbin and Hong Kong, China. Info: ieec2002-iem@iem.net.cn or cejmko@polyu.edu.hk (4/02, 6/02)

SEPTEMBER

2-5. eurodyn 2002, Munich, Germany. Info: www.eurodyn2002.de (8/01)

8-11. Dam Safety 2002, Tampa, FL. Info: www.damsafety.org (2/02)

9-13. 12th European Conference on Earthquake Engineering, London, UK. Info: www.12ECEEE.org.uk (9/00, 12/00)

22-29. Joint Meeting of the Association of Engineering Geologists and the American Institute of Professional Geologists, Reno, NV. Info: www.aegweb.com (5/02)

26-28. SEAOC Annual Meeting, Santa Barbara, CA. Info: MLCSE@aol.com (1/02)

30-October 12. Workshop on 3-D Modeling of Seismic Waves, Trieste, Italy. Info: www.ictp.trieste.it (5/02)

OCTOBER

3-6. Hazards 2002 Symposium, Antalya, Turkey. Info: www.hazards2002.metu.edu.tr (5/02)

9-12. Structural Engineers World Congress, Yokohama, Japan. Info: sewc2002.gr.jp (6/01)

17-18. OECD-NEA Workshop, Istanbul, Turkey. Info: www.nea.fr/html/nsd/workshops/seismicrelation/index.html (4/02)

23-26. Earthquake Loss Estimation and Risk Reduction, Bucharest, Romania. Info: www.utcb.ro/conferin/conference.html (5/02)

NOVEMBER

18-26. Activities of the Asian Seismological Commission, Kathmandu, Nepal. Info: www.nset.org.np/ASC2002 (5/02)

DECEMBER

16-18. 12th Symposium on Earthquake Engineering, Roorkee, India. Info: 12see@rurkiu.ernet.in (5/02)

2003

FEBRUARY

3-6. IMAC Conference and Exposition on Structural Dynamics, Kissimmee, Florida. Info: www.sem.org (5/02)

5-8. EERI Annual Meeting, Portland Marriott Downtown, Portland, OR.

13-15. Pacific Conference on Earthquake Engineering, Christchurch, NZ. Info: www.nzsee.org.nz/pcee (1/02)

MAY

12-14. Fourth International Conference on Earthquake Engineering and Seismology, Tehran, Iran. Info: iiies@dena.iiies.ac.ir (6/02)

JUNE

9-12. Fourth International Conference on the Behavior of Steel Structures in Seismic Areas, Naples, Italy. Info: www.daps.unina.it/stessa/congres.htm (6/02)

JULY

6-9. Ninth International Conference on Applications of Statistics and Probability in Civil Engineering, San Francisco, CA. Info: icasp9.berkeley.edu (6/02).

AUGUST

3-6. Extreme Loading Conference, Toronto, Ontario, Canada. Info: www.extremeloading2003.com (6/02).

2004

AUGUST

1-6. 13th World Conference on Earthquake Engineering, Vancouver, BC, Canada. Info: www.13thwcee.com (7/02)



News of the Profession

EERL Reports on the Web

The Earthquake Engineering Research Laboratory at the California Institute of Technology has made available scanned (.pdf) images of all of its numbered reports, at no cost, on the web at caltecheerl.library.caltech.edu.

The Caltech EERL archive includes more than 200 technical reports published from 1970 to the present. In addition to numbered EERL reports, the archive also includes publications of the Center for Research on the Prevention of Natural Disasters, Dynamics Laboratory, and Soil Mechanics Laboratory, all research groups closely tied to EERL. For further information, contact Jim O'Donnell, e-mail: jimodo@caltech.edu, phone 626/395-4227.

News of the Institute

Seattle Fault Scenario Process Begins

On May 31, more than 70 Seattle-area earthquake professionals joined the EERI Board of Directors and the Seattle Scenario Oversight Committee at the University of Washington Seattle campus to develop an earthquake scenario for the Puget Sound area. With seed funding from FEMA, the estimated two-year scenario development process will be managed by EERI. It will develop a set of guidelines for regional earthquake scenarios as part of a project recently authorized for funding by the EERI Endowment Fund.

An event on the Seattle fault will be evaluated, based on a magnitude in the range of 6.5 to 7.0 with a return period of approximately 1,000 years. Such an event is expected to have impacts similar to the Northridge or Kobe earthquakes. According to EERI Board member and Oversight Committee member Don Ballantyne (a Seattle lifelines engineer for ABS Consulting Group, Inc.), the last regional scenario was developed in 1975 by USGS. Since that time, however, there has been a dramat-

ic increase in the understanding of regional seismicity, substantial population growth, and general acknowledgement of an increased level of risk.

Local participants in the May 31 scenario meeting included Marc Eberhard of the University of Washington/PEER, Robert Freitag of CREW, Mark Pierepiekarz representing SEAW, Craig Weaver from USGS, FEMA Region X's Chris Jonientz-Trisler, Jack Meszaros of the University of Washington-Bothell on economic impacts, and Susan Chang of Shannon & Wilson on geotechnical issues. Caltech's Wilfred Iwan also spoke, representing the EERI Endowment Fund Committee.

Since it coincided with the June 1 quarterly EERI Board of Directors meeting in Seattle, the gathering benefited from the participation of several board members: a welcome from EERI President Chris Poland, comments from Mary Comerio of UC Berkeley on the Hayward fault scenario process, and EERI Presi-

dent-Elect Tom O'Rourke's observations on the New York Earthquake Building Loss Estimation Study.

This project originated from discussions within the EERI Endowment Committee and the Board in support of a project to develop guidelines for preparing regional earthquake scenarios. It was quickly determined that a successful guidelines project should be based on the reality of developing a scenario, and Seattle was selected as the model community.

When its technical content is complete, the Seattle scenario will cover regional seismology and geologic hazards, buildings and major structures, lifeline and transportation systems, emergency response and recovery, and economic impacts. Plans call for it to be presented to the public in a one-day symposium and disseminated by EERI in a variety of formats. A key objective of the Seattle scenario will be to provide a call to action for regional earthquake preparation and mitigation.



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