



**EARTHQUAKE ENGINEERING
RESEARCH INSTITUTE
NEWSLETTER**

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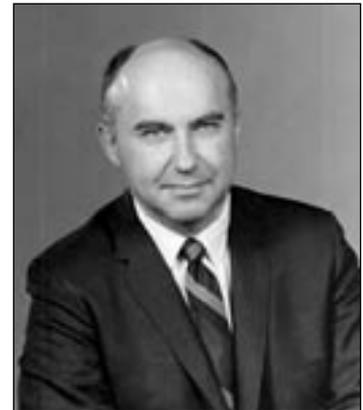
Obituary

Frank Edward McClure 1924–2004

Former EERI President Frank E. McClure died of congestive heart failure on Friday, July 16, 2004, at his Orinda, California, home surrounded by his loving family. He was 80 years old.

A native San Franciscan, Frank attended Lowell High School and received his bachelor's degree in civil engineering from the University of California at Berkeley in 1944. Following graduation, he was commissioned as a Navy officer and served in World War II with the legendary Seabees construction battalion building bridges in Okinawa, Japan.

Frank worked in several consulting structural engineering firms in San Francisco before opening his own structural engineering office in Oakland, California, in 1955, specializing in earthquake-resistant design and



Frank E. McClure

research. He was a partner in the firm of Frank E. McClure and David L. Messinger, Consulting Structural Engineers, from 1962 to 1975.

In 1976 he accepted the position as UC's university engineer, overseeing

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News of the Institute

Board Nominees Announced

The 2005 EERI Nominating Committee has submitted a slate of candidates for two Director positions that will become open when Mary Comerio and Don Ballantyne complete their terms next January. The nominees are:

For Director A:

- Richard K. Eisner, California Governor's Office of Emergency Services, Oakland, California
- Frederick Krimgold, director, Center for Disaster Risk Management, Virginia Polytechnic Institute and State University, Alexandria Research Institute, Alexandria, Virginia

For Director B:

- Polat Gulkan, professor, Department of Civil Engineering, Middle East Technical University, Ankara, Turkey
- Sudhir K. Jain, professor, Department of Civil Engineering, Indian Institute of Technology, Kanpur, India

Additional nominations may be made by the membership in accordance with Article VII of the EERI Bylaws (Sections 4 and 5), upon submission of a petition prior to November 1 with signatures of 25 members. Biographies of the candidates and short vision statements will be published in a future issue of the *Newsletter* and posted on the EERI web site, www.eeri.org. EERI wishes to thank the Nominating Committee: Svetlana Brzev (Chair), Nesrin Basoz, Shel Cherry, Robert Hanson, and Robert Olshansky.

News of the Profession

WTC Investigation Identifies Standards, Codes Issues

The National Institute of Standards and Technology (NIST) team conducting the federal government's building and fire safety investigation into the World Trade Center (WTC) disaster of September 11, 2001, announced that it has identified several issues about test methods, standards, codes, and emergency operations that are currently used for buildings, and that merit further analysis.

At a press briefing in New York City, lead investigator Shyam Sunder released the second major progress report on the WTC investigation that documents interim findings and identifies these issues. Sunder said that the team's final report, scheduled for release as a draft document in December 2004, would feature recommendations for improvements in the way people design, construct, maintain, and use buildings, especially high-rises.

Among the findings discussed in the report are:

- working hypotheses for the collapses of WTC 1 and WTC 2 (the "twin towers"), and WTC 7, a 47-story building that fell later in the day on 9/11;
- key visual observations on the building, fire, and smoke conditions in all three buildings from analysis of a large collection of photographic and videographic images;
- a summary of what has been learned from computer models used to analyze aircraft impact damage, fire and smoke behavior, and collapse mechanisms;
- results from experimental work analyzing steel recovered from the WTC and laboratory fire tests of WTC structural components; and
- information gained from nearly 1,200 first-person interviews of WTC surviving occupants, first responders, and families of victims.

The complete report is available on the comprehensive NIST WTC investigation web site, wtc.nist.gov.

Call for Papers

Pipelines 2005

The American Society of Civil Engineers (ASCE) is hosting Pipeline Conference 2005 with the theme of "Optimizing Pipeline Design, Operations, and Maintenance in Today's Economy," scheduled for August 21–24, 2005, in Houston, Texas. It will provide a forum for owners to identify innovative and cost-effective ways to maintain their current infrastructure, extend its useful life, and reduce overall life-cycle costs.

Presentations will explore topics relevant to designing, operating, and maintaining pipelines in the water, wastewater, and oil and gas indus-

tries, including seismic pipeline design. Continued advances in pipeline materials, controls, and nondestructive testing will also be highlighted to show owners new ways to extend their limited resources.

The conference will include a plenary session, technical sessions, panel discussions, workshops, a trade exhibit and technical tour. Proceedings will be provided at the conference.

Abstracts not exceeding one page must be submitted by September 3, 2004. For a list of conference topics and instructions on submission of abstracts, visit www.asce.org/conferences/pipelines2005/.

News of the Membership

Corley, Kiremidjian and Aho Receive Awards

EERI member **W. Gene Corley**, senior vice president of Construction Technology Laboratories, Inc., in Skokie, Illinois, has received the American Society of Civil Engineers (ASCE) annual President's Award for his distinguished leadership and service to the United States. The award was established in the nation's bicentennial year in honor of George Washington. Corley's award recognizes his service as the ASCE representative on the building performance assessment teams that investigated the responses of the Alfred P. Murrah Federal Building to the 1995 bombing in Oklahoma City and the World Trade Center to the 2001 terrorist attacks in New York City.

EERI member **Anne S. Kiremidjian**, professor of civil and environmental engineering at Stanford University, has received ACSE's 2003 Charles Martin Duke Lifeline Earthquake Engineering Award. The Duke Award recognizes outstanding contributions that have advanced the art, science, and technology of lifeline earthquake engineering.

In July 2004, the governor of Alaska awarded EERI Director **John L. Aho** the Alaska Commendation Medal for his outstanding service to the citizens of Alaska through his dedicated support of statewide seismic programs, including establishment of the Post-Earthquake Damage Assessment Program. Aho is a vice president and principal project manager in the Anchorage office of CH2M Hill. In addition, the U.S. Geological Survey honored Aho as a "gifted engineer and untiring advocate of public safety," in recognition of his leadership and devoted service to earthquake safety in Alaska.

McClure

continued from page 1

nine campuses. He continued his career serving the university as senior structural engineer for the Lawrence Berkeley National Laboratory (LBNL) between 1978 and 1991. Throughout his professional career, he worked on numerous regional, statewide, and international earthquake engineering committees, workshops, and commissions. He traveled throughout the world investigating earthquake-damaged buildings in locations affected by the following events: Kern County (1952), Eureka (1954), Alaska (1964), Bogota, Colombia (1967), San Fernando (1971), Mexico City (1985), and Loma Prieta (1989).

Frank designed an earthquake-resistant building located in downtown Oakland that survived the 1989 Loma Prieta earthquake without any significant damage and that was instrumented throughout with strong-motion accelerographs. The strong-motion record from this building was

the only record in downtown Oakland, and was used as the input ground motion to analyze such badly damaged buildings as the Oakland City Hall.

Joining EERI in 1958 when membership was limited to 100 professional engineers, Frank served on the EERI Board of Directors from 1965 to 1968 and from 1977 to 1980. He was secretary-treasurer from 1969 to 1976. From 1987 to 1989, he served as president and helped guide EERI's major organizational restructuring during his term. In 1990 he was named an EERI honorary member. At the 2002 Annual Meeting, he was recognized for having attended 43 consecutive annual meetings.

In 1994 he was awarded the prestigious Alfred E. Alquist Award. He was an honorary member of the Structural Engineers Association of Northern California. In 1990, the U.S. Department of Energy presented Frank a Distinguished Associate Award in recognition of 46 years of leadership in seismic hazards mitiga-

tion, and for his work on behalf of the DOE while at LBNL, as a member of the Committee on Earthquake Engineering, and as an expert consultant on seismic safety programs. In his retirement years, he served as a pro bono consultant for the Asian Art Museum in San Francisco and the J. Paul Getty Museum in Los Angeles.

Frank had many interests, including fly fishing, classical music, and gardening. He is survived by his wife, Augusta; his four children, Ted McClure, Anne McClure Kaplan, R. Coke McClure, and Julia McClure Del Guzzo; and his six grandchildren.

A memorial service was held July 20, 2004, at the Lafayette-Orinda Presbyterian Church. The service was conducted by the Rev. Gail Doering and Frank's son, the Rev. Coke McClure.

EERI gratefully acknowledges and appreciates his family's request that donations in honor of Frank E. McClure be sent to the EERI Endowment Fund.

News of the Profession

Alfred E. Alquist Award Nominations Solicited

The California Earthquake Safety Foundation is soliciting nominations for the Alfred E. Alquist Award for Achievements in Earthquake Safety to be awarded in the year 2005. This award recognizes individuals, organizations, or both, that have made outstanding contributions to seismic safety in California. Awards are given in areas that include basic and applied research, education, volunteer services, and program implementation.

Past award recipients include elected leaders, educators, engineers, architects, disaster specialists, governmental advisors, and businesses. One to three awards are given each year. Posthumous awards are not made. A candidate may be nominated by another individual, a firm, or an agency. Letters describing a nominee's background and accomplishments should be sent to the California Earthquake Safety Foundation, c/o Christopher Rojahn, Applied Technology Council, 201 Redwood Shores Parkway, Suite 240, Redwood City, CA 94065. The deadline for nominations is August 30, 2004.

The California Earthquake Safety Foundation was founded in 1985 with the specific purpose of promoting earthquake safety in California. Governed by a volunteer board of directors, it relies on tax-deductible donations to support its activities. For more information, contact Chris Rojahn (chair), phone 650/595-1542, fax: 650/593-2320, or e-mail crojahn@atcouncil.org.

Publication

Workshop on IRIS-NEES-USGS Collaboration

A workshop was held April 29-30, 2004, at the University of Texas, Austin, to discuss collaborative science using facilities of the Incorporated Research Institutions for Seismology, the Network for Earthquake Engineering Simulation, and the U.S. Geological Survey to solve challenging scientific and engineering problems related to earth science and seismic hazards.

For summaries of discussions about the operational aspects of the facilities, workshop minutes, and all presentations, visit www.ceri.memphis.edu/~gomberg/NEES_USGS/Index.htm.

Job Announcements

Research Engineer

The **University of California, Los Angeles (UCLA)** Department of Civil and Environmental Engineering seeks a research engineer (non-tenure track) in the area of field dynamic testing and monitoring of geotechnical and structural systems. Candidates must hold a doctoral degree in civil engineering or a related field. The appointee will assist in managing the NEES Equipment Site at UCLA (known as *nees@UCLA*). Strong project management and communication skills as well as familiarity with sensors, data acquisition, and field shakers are required. The appointee will be encouraged to teach and to develop an independent research program. To apply, send a resume, a statement of teaching and research interests, and list of at least three references by August 15, 2004, to Professor John W. Wallace, wallacej@ucla.edu. For more information about the NEES and *nees@UCLA* projects, visit www.nees.org and www.nees.ucla.edu.

AIR Risk Analysis Engineer Position

AIR Worldwide, San Francisco office, seeks a senior analysis engineer for its Research and Modeling Department. The appointee will work with a team of structural engineers and specialists in the application of probability and statistics to earthquake engineering problems. Applicant should have knowledge of nonlinear structural analysis, proficiency in MATLAB, FORTRAN, and/or C/C++, and experience in structural design. Knowledge of probabilistic and stochastic modeling techniques and experience in earthquake risk modeling are desired. A doctorate in structural engineering is preferred; an M.S. with P.E. and 5+ years' experience will be considered. For more information, visit

www.air-worldwide.com/_public/html/openpos.asp?l=s.

Postdocs at Stanford

The Geophysics Department at **Stanford University** is seeking qualified candidates for postdoctoral fellows on projects in crustal deformation and fault mechanics. One project involves analyzing continuous Global Positioning System (GPS) data from southern California to search for subtle deformation transients. The second project involves analysis of post-seismic deformation and development of earthquake cycle models with application to the Taiwan collision zone. Funding is for one year with a possibility of continuation. Salary is dependent on qualifications and experience. A Ph.D. in geophysics and experience with analysis of geodetic deformation measurements and/or the development of earthquake models based on continuum mechanics are required. Send a CV and the names of three people who can write letters of recommendations to Paul Segall, Geophysics Department, Stanford University (segall@stanford.edu).

Call for Papers

Steel Construction Conference (NASCC)

Designers, contractors, detailers, erectors, and educators are invited to submit proposals for the poster session at the 2005 North American Steel Construction Conference (NASCC) to be held April 6-9, 2005, in Montreal, Canada. All poster presenters will receive free registration to the NASCC.

Possible topics include innovative projects; design, fabrication, or erection solutions; engineering, design, and inspection; fire engineering; blast and progressive collapse; software or product innovations; new steel systems; seismic design; wind

engineering; connection design; and research results. For more information on NASCC, visit www.aisc.org/nascc.

Abstracts are due October 1, 2004; accepted presenters will be notified by November 15. Submit abstracts to Scott Melnick (melnick@aisc.org).

News of the Membership

Nick Jones Named Engineering Dean at Johns Hopkins



Nick Jones

EERI member Nick Jones has been appointed as the fourth dean of the Whiting School of Engineering at Johns Hopkins University, effective August 15, 2004. Jones has spent most of his career at Johns Hopkins, first arriving there in 1986 as a brand new Ph.D., and rising through the ranks from assistant professor to professor and then chair of the Department of Civil Engineering, a position he left in 2002. Jones has spent the past two years as head of the Department of Civil and Environmental Engineering at the University of Illinois at Urbana-Champaign.

While his primary research focus is wind engineering and long-span bridges, he has conducted innovative interdisciplinary research in areas such as casualties caused by earthquakes and hurricanes, and measurement of the impact on boxers of blows to the head.



- PLEASE POST -

EERI ANNUAL STUDENT PAPER COMPETITION

The Earthquake Engineering Research Institute is pleased to announce its Annual Student Paper Competition. The purpose of the competition is to promote active involvement of students in earthquake engineering and the earthquake hazards research community.

The general rules of the contest are as follows:

Graduate Category

1. The paper must be an original contribution in a discipline directly related to earthquake engineering or earthquake hazard reduction.
2. The paper is not to exceed 12 pages in length inclusive of all tables and figures.
3. The paper must represent the original work of the student and be authored by the student alone. A faculty member or other advisor may not co-author the paper.

Undergraduate Category

1. The paper must be directly related to earthquake engineering or earthquake hazard reduction.
2. The paper is not to exceed 12 pages in length inclusive of all tables and figures.
3. The paper must be authored by the student alone. In addition, a faculty member or other advisor is required to oversee the preparation of the manuscript. The advisor can provide feedback before submission of the paper but may not co-author the paper. The advisor's name should be included in the "Acknowledgments" section of the paper.

Guidelines for preparing the manuscript can be obtained from the EERI web site (www.eeri.org) or from EERI, 499 14th Street, Suite 320, Oakland, CA 94612, phone 510/451-0905, fax 510/451-5411. All papers must be received by November 1, 2004, at the EERI office.

Up to four student authors will be invited to the Annual Meeting of EERI in Ixtapa, Mexico, February 2-6, 2005, and will receive travel support for this purpose. Their papers will also be considered for publication in *Earthquake Spectra*. The top paper in the graduate category may be presented at the Annual Meeting.

**** DEADLINE November 1, 2004 ****

Announcements

IABSE Symposium

The International Association for Bridge and Structural Engineering (IABSE) is hosting a symposium on "Metropolitan Habitats and Infrastructure" in Shanghai, China, September 22-24, 2004. It will provide a forum for sharing information, views, and experiences related to the design, construction, operation, and maintenance of metropolitan habitats and infrastructure.

The topics include buildings, bridges, tunnels, public facilities, and transportation systems within the context of a metropolis.

Planning and evaluation: Aesthetics and architectural issues, feasibility and planning, risk and disaster mitigation, functional assessment, economics, environmental considerations, sustainable development.

Design and analysis: Design criteria, analysis methods, IT applications, experimental studies, structural safety and reliability, seismic and aerodynamic aspects.

Construction and materials: New materials, smart materials, IT applications, construction techniques, quality control.

Maintenance, operation, and life cycle considerations: Rehabilitation, inspection, instrumentation and monitoring, repair and renewal, asset management, life cycle costing, role of authorities.

In addition to keynote lectures, some 200 contributions have been selected for presentation at the symposium. Remarkable projects of municipal infrastructure are presently being designed and constructed in Shanghai, and the symposium participants will have the opportunity to visit some of the construction sites.

Special conditions are offered to young engineers. The final invitation is available at www.iabse.org.

Pacific Security Expo

Over the past 50 years, more than 56 disasters have affected all or part of the San Francisco Bay Area, representing about a third of 181 disasters statewide. "Taming Natural Disasters" is the theme of the Association of Bay Area Government's (ABAG) Fall General Assembly, scheduled for Wednesday, October 6, 2004, at the Oakland Marriott City Center. Disaster forecasting, pre-disaster mitigation planning, and risk reduction will underscore expert presentations on the potential impacts of natural disasters such as earthquakes, winter storms, fires, and drought. Bay Area elected officials and staff, leaders from other California regions and state agencies, and public and private stakeholders are expected to attend.

The Fall General Assembly (GA) is part of a two-day Pacific Security Expo beginning on Tuesday, October 5, sponsored by ABAG and the Bay Area Economic Forum (BAEF). Major disaster findings and strategies will be unveiled throughout the GA's proceedings. John Garamendi, California insurance commissioner, and Henry Renteria, director of the California Governor's Office of Emergency Services and former chief of the Oakland Office of Emergency Services, will address disaster mitigation, risk assessment, and preparedness.

The lessons learned since Loma Prieta will be a critical part of special sessions that forecast the likelihood of disasters and their impact on the Bay Area. Sessions will closely analyze issues related to risk reduction for government facilities and infrastructure, and disaster mitigation for transportation and utilities.

BAEF will conduct its second annual Pacific Homeland Security Conference on October 5. During both days, attendees will have the opportunity to explore homeland security and disaster mitigation and their

implications for local governments, emergency response agencies, business, and infrastructure. The conference will also offer specialized accredited and OSHA-compliant training for first responders on weapons of mass destruction. To register, visit www.abag.ca.gov/events or call ABAG at 510/464-7900.

Call for Papers

Coping with Risks in the 21st Century

The Swiss Natural Hazards Competence Centre (CENAT) is organizing an international workshop entitled "Coping with Risks Due to Natural Hazards in the 21st Century: RISK 21." The workshop will take place November 28 through December 3, 2004, at the Centro Stefano Franscini in Monte Verità near Ascona, Switzerland.

The workshop will focus on aspects of risk management related to understanding risk perception, risk aversion, acceptable levels of risk, and risk dialogue. Keynote lectures will set the stage for selected topics. Abstracts are being sought for a few additional oral presentations as well as many poster presentations. A midweek excursion will include a visit to a hazard-managed area near Monte Verità. Suggested topics for presentations include:

- overall strategies in risk management,
- risk culture in different religions,
- risk aversion,
- definition of risk levels (such as acceptable loss of life, damage to buildings), and
- sustainability and risk.

The abstract registration deadline was July 28, 2004. The nonspeaker registration deadline is September 10, 2004. For registration and abstract submission, visit www.csf.ethz.ch/services/registration.

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**.

AUGUST

1-6. 13th World Conference on EQ Eng. (13WCEE), Vancouver, British Columbia, Canada. Info: **www.13wcee.com** (7/02, 3/03, 4/04)

8-11. MOVIC 04 Motion & Vibration Control Conf., St. Louis, MO. Info: **www.seas.wustl.edu/movic04/** (11/02)

25-28 SEAOC Annual Conv., Monterey, CA. Info: **www.seaoc.org** (5/04)

SEPTEMBER

3-4. VIII Mexican Symposium on EQ Eng., Tlaxcala, Mexico. Info: **www.smis.org.mx** (7/04)

10 (new date). NEES@UIUC Training Day. See page 8. (8/04)

14-17. NDE/NDT for Highways & Bridges 2004, Buffalo NY. Info: **www.asnt.org/events/events.htm** (12/03)

22-24. IABSE Symp. on Metropolitan Habitats & Infrastructure, Shanghai, China. See page 6. (8/04)

26-29. Int'l Code Council Annual Conf., Salt Lake City, UT. Info: **www.iccsafe.org/news/annual/Forum2004** (7/04)

26-30. 2004 National EQ Conf., St. Louis, MO. Info: **www.earthquakeconference.org/** (4/04, 6/04)

29-Oct. 1. Annual Conf. on Deep Foundations, Vancouver, B.C., Canada. Info: **www.dfi.org** (12/03)

OCTOBER

5-6. Pacific Security Expo & ABAG General Assembly, Oakland, CA. See page 6. (8/04)

18-20. 3rd Int'l Conf. EQ Eng., Nanjing, China. Info: **3icee.njut.edu.cn/** (4/04)

25-Nov. 5. 7th Workshop on 3-D Modelling of Seismic Waves, Trieste, Italy. Info: **agenda.ictp.trieste.it/smr.php?1586** (2/04)

NOVEMBER

15-19. Workshop on Seismic Input Motions, Tsukuba, Japan. Info: **www.nea.fr/html/nsd/workshops/SEIS2004/index.html** (4/04)

28-Dec. 3. Coping with Risks Due to Natural Hazards in the 21st Century, Monte Verità, Switzerland. See page 6. (8/04)

DECEMBER

8-20. 4th Int'l Conf. on Dam Engr., Nanjing, China. Info: **www.dam04.com** (1/04)

2005

JANUARY

9-13. TRB Annual Meeting, Washington, DC. See page 7. (8/04)

13-16. Int'l Symp. on EQ Eng., Japan. (2/04)

18-20. 1st Int'l Conf. on Urban Disaster Reduction, Kobe, Japan. Info: **www.eeri.org/news/meetings.html** (7/04)

31-Feb 3. IMAC XXIII, Orlando, FL. Info: **www.sem.org** (6/04)

FEBRUARY

2-6. EERI Annual Meeting, Ixtapa, Mexico. Info: **www.eeri.org** (4/04, 7/04)

19-22. Int'l Assoc. for Bridge Struct. Eng. Conf., New Delhi, India. Info: **www.iabse.org** (11/03)

APRIL

6-9. North American Steel Construction Conference, Montreal, Canada. See page 4. (8/04)

MAY

30-June 1. ERES 2005, Skiathos, Greece. Info: **www.wessex.ac.uk/conferences/2005/eres05** (7/04)

AUGUST

21-24. Pipelines 2005, Houston, TX. See page 2. (8/04)

22-24. ConMat'05, Vancouver, BC,

Canada. **Abstract deadline extended to August 15, 2004.** Info: **www.civil.ubc.ca/conmat05/** (7/04)

SEPTEMBER

14-16. IABSE Structures & Extreme Events, Lisbon, Portugal. Info: **www.iabse.org/lisbon** (7/04)

20-23. 3rd Int'l Structural Eng. & Const. Conf., Shunan, Japan. Info: **www.tokuyama.ac.jp/tcss1/ISEC_03/** (4/04)

2006

APRIL

18-21. 8th U.S. Nat'l Conf. on EQ Eng. (8NCEE), EERI Annual Meeting, SSA Annual Meeting, Disaster Resistant California, San Francisco, CA. Info: **www.eeri.org** (5/04)

Announcement

TRB Annual Meeting

The Transportation Research Board (TRB) Committee on Seismic Design of Bridges is accepting presentations for a session entitled "Seismic Retrofitting of Bridges — Case Studies" at the TRB Annual Meeting to be held in Washington D.C., January 9-13, 2005.

Although the paper submission deadline was August 1, 2004, there is still an opportunity to submit work for presentation only — not for review or publication. Papers written for these oral-only presentations may be distributed at the session as handouts. Presenters will have 20 minutes for presentation and five minutes for questions. They should focus on the vulnerability assessment and retrofitting strategies used to ascertain the seismic performance objectives for bridge projects.

For more information, contact Ayaz Malik, e-mail **ayaz7@att.net**, phone 518/869 8131. For more information on the meeting, visit the TRB web site **www.trb.org**.

Announcement

NEES Consortium, Inc., Seeks Senior Managers

NEES Consortium, Inc. (NEESinc), headquartered in Davis, California, is a startup not-for-profit corporation that will serve as the technical coordination, administrative, and outreach center for the George E. Brown, Jr., Network for Earthquake Engineering Simulation (NEES).

NEESinc seeks applicants for three senior management positions that will establish and manage key business and technical elements of the maintenance and operational services to be provided for the NEES community. The three positions are:

- 1) Manager of Experimental Site Operations
- 2) Manager of Finance and Business Operations
- 3) Manager of Information Technology

Detailed statements of position responsibilities and qualifications are posted at www.nees.org. Applicants should submit a single PDF file electronically to Search Committee, NEES Consortium, Inc., at info@nees.org. Both the transmittal and file name should clearly identify the position being sought.

To be assured of full consideration, applications should be received before August 18, 2004, at 5:00 p.m. PDT. The file should contain:

- 1) a statement describing the applicant's vision for the position, the applicant's proposed approach to management of distributed NEES resources, and a proposed strategy for both startup and mature operations;
- 2) a current CV; and
- 3) names and contact information for a minimum of three references.

Selection committees will assist in review and screening of the applications, interviews of finalists, and development of recommendations to the executive director and the board. NEES Consortium, Inc., is an equal opportunity employer and encourages applications from all qualified individuals.

For more information about NEES Consortium, Inc., visit www.nees.org. For more information about these positions, contact Dr. Cliff Roblee, executive director of NEES Consortium, phone 530/757-NEES, e-mail cliff.roblee@nees.org.

Announcement

NEES@UIUC Training Day

A training course will be held on September 10, 2004 (new date), at the new NEES site at the Civil and Environmental Engineering Department at the University of Illinois at Urbana-Champaign. The Multi-Axial Full Scale Sub-Structured Testing and Simulation (MUST-SIM) Facility is a state-of-the-art system for combining physical testing and analytical simulation to investigate the seismic response of complex systems. It has a fully-operational scale-model testing facility, which provides a realistic pre-test environment and an education and outreach facility. The training program will include hands-on control of load and boundary condition boxes (LBCBs), instrumentation, and data-acquisition systems as well as running a simulation of a multistory building that represents a multisite physical-analytical experiment. Full documentation on the facility will be provided to participants. A limited number of grants to support attendance are available to students and faculty. Further information and the application procedure are available at: <http://nees.uiuc.edu/SharedUse/TrainingDay>.



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