

Announcements

Positions Available at NSF

The National Science Foundation (NSF) is conducting national searches for the following five positions:

Civil and Mechanical Systems

(CMS) Division Director: Priscilla Nelson's term as division director ends this summer. The following link contains the announcement:

www.nsf.gov/cgi-bin/getpub?s20020088c.

The organization of the CMS Division is described at www.eng.nsf.gov/cms/. This division enables knowledge creation and intellectual growth in construction, geotechnical and geo-environmental engineering, structures, dynamics and control, sensors, mechanics, materials and surface engineering, tribology, information technology and infrastructure systems, and reduction of risks induced by earthquakes and other natural, terrorist, and technological hazards.

Program Director Vacancy for Engineering Research Centers:

Joy Pauschke's extensive duties as the program manager for the Network for Earthquake Engineering Simulation (NEES) have made it necessary for her to step down as the program manager for the three Earthquake Engineering Research Centers. Therefore, the Engineering Education and Centers (EEC) Division has recently announced this position vacancy. The link for the announcement is www.nsf.gov/cgi-bin/getpub?eng020313.

Program Manager Vacancy for Structural Systems and Hazards Mitigation of Structures (SSHM) Program:

The SSHM program supports research on new technologies for improving the behavior and response of structural systems subjected to natural and man-made hazards including earthquake engi-

neering; fundamental research on safety and reliability of constructed systems; innovative developments in analysis; model-based simulation of structural behavior and response, including soil-structure interaction; design concepts that improve structural performance and flexibility; and application of new control techniques for structural systems.

Program Manager Vacancy for Dynamic System Modeling, Sensing and Control (DSMSC) Program:

The DSMSC program supports research on the fundamental engineering concepts and mathematical theories for modeling, analysis, simulation and control of complex, nonlinear dynamic systems, including study of new control methods, acoustics, vibrations, and kinematic relationships.

Program Manager Vacancy for Solid Mechanics and Materials Engineering (SMME) Program:

The SMME program links the expertise of analytical, computational, and experimental solid mechanics with materials and surface engineering to understand, characterize, analyze, design, and control the mechanical properties and performance of materials and devices.

NEES Equipment Project Coordinator:

This position is now open due to the upcoming departure of Tom Anderson. A vacancy announcement is available on the CMS web site at www.eng.nsf.gov/cms/.

For more information, contact: Richard Fragaszy, CMS Personnel Search Coordinator, phone: 703/292-8360, fax: 703/292-9053, e-mail: rfragasz@nsf.gov.

News of the Institute

Four LFE Projects to Re-evaluate Past Earthquakes

The Learning from Earthquakes (LFE) Advisory Committee had the difficult task of selecting four projects from among the many excellent proposals that were received in response to a recent call for proposals aimed at capturing earthquake lessons from past earthquakes. This is the second round of proposals supported by this program, developed to identify lessons that may not be apparent in the immediate post-earthquake reconnaissance phase, or that should be re-evaluated in light of new understanding and knowledge.

The four projects selected for funding are as follows:

2001 Nisqually, Washington, earthquake: business recovery and reconstruction

Kurt McMullin, San Jose State University, California

2001 El Salvador earthquakes: appropriateness of the rehabilitation and reconstruction response

Dominic Dowling, University of Technology, Newcastle, NSW, Australia

1999 Kocaeli, Turkey, earthquake: evaluation of earthquake performance of highway bridges and viaducts, immediate post-EQ actions and retrofit applications

Mustafa Erdik, Kandilli Observatory and Earthquake Research Institute, Bogazici University, Istanbul, Turkey

1994 Northridge, California, earthquake: reassessing earthquake losses in woodframe houses

David Bonowitz, consulting structural engineer, San Francisco, California

For questions or further information about EERI's LFE Program, contact program manager Marjorie Greene at mgreene@eeri.org.

News of the Profession

Major Earthquake Rocks Taiwan

On March 31 (local time 2:52 pm), a major earthquake occurred near the northeast corner of Taiwan, about 65 miles southeast of Taipei. According to the U.S. Geological Survey, this thrust earthquake occurred in a highly seismic and tectonically complex region known as the Taiwan Collision Zone, where the Philippine Sea Plate and the Eurasian Plate are converging (neic.usgs.gov/neis/bulletin/bulletin.html).

The magnitude 6.8 earthquake killed five people and injured 270. The deaths were associated with the collapse of two cranes at a construction site. According to the Central News Agency of Taiwan, the Department of Labor Inspection under the cabinet-level Council for Labor Affairs is investigating the collapse. The council has ordered an assessment of current laws on the stress tolerance level of construction cranes (www.can.com.tw/eng).

EERI members Professors Loh, Tsai, and Yao were in the field conducting investigations within hours of the quake. They will soon post a report on the web site of the National Center for Research on Earthquake Engineering (www.ncree.gov.tw). EERI's web site will also link to this report.



Damage to residential building in Taiwan. Check EERI's Housing Encyclopedia for a complete description of this construction type.

News of the Institute

7NCEE Presentation Sessions

Following is a preliminary list of non-plenary presentation sessions at the 7th U.S. National Conference on Earthquake Engineering, scheduled for July 21-25 in Boston. By now, EERI members should have received the preliminary program in the mail with registration information. Registration is available online at www.eeri.org/news/Meetings/7nceef.html.

Monday Morning Sessions, 10:30 am - 12:30 pm, July 22, 2002

- 1: ST-1 STRUCTURES: Instrumentation and Monitoring
- 2: ST-2 STRUCTURES: Analytical Modeling of Bldg. Components & Systems I
- 3: GM-1 GROUND MOTIONS: Seismic Hazard and Risk Analysis
- 4: LE-1 LOSS ESTIMATION: Case Studies
- 5: LS-1 LESSONS from Recent Earthquakes
- 6: DC-1 DESIGN CRITERIA: Advanced Analysis
- 7: SI-1 SOCIAL ISSUES: Risk Analysis

Monday Afternoon Sessions, 1:40 - 3:30 pm

- 8: PS-2 PANEL SESSION: NEES-1
- 9: PS-5 PANEL SESSION: Catastrophe Models
- 10: ST-18 STRUCTURES: Housing Encyclopedia

Monday Late Afternoon Sessions, 4:00 - 5:50 pm

- 11: ST-3 STRUCTURES: Analytical Modeling of Bldg. Comps. & Systems II
- 12: ST-4 STRUCTURES: Performance-Based Evaluation
- 13: BR-1 BRIDGES: Seismic Analysis and Design of Bridges
- 14: GM-2 GROUND MOTIONS: Site Effects: Seismological Aspects and Microzonation Studies
- 15: LE-2 LOSS ESTIMATION: Hazard and Damage Models
- 16: ST-16 STRUCTURES: Masonry Structures
- 17: NS-1 NEES: Experimental Facilities

Tuesday Morning Sessions, 10:30 am - 12:20 pm, July 23, 2002

- 18: ST-5 STRUCTURES: Estimation of Deformation Demands
- 19: GM-5 GROUND MOTIONS: Source Mechanics, Wave Propagation and Attenuation Relationships
- 20: AT-1 ADVANCED TECHNOLOGIES: Supplemental Dampers in Symmetric and Asymmetric Structures
- 21: GS-1 GEOTECHNICAL STRUCTURES: Liquefaction and Earth-Retaining Structures
- 22: AW-1 AWARENESS AND EDUCATION
- 23: SI-2 SOCIAL ISSUES: Hazard Management
- 24: RR-1 RESPONSE AND RECOVERY: Post-EQ Resp. & Rec. Approaches
- 25: ST-15 STRUCTURES: Fiber Composites for Seismic Strengthening

Tuesday Afternoon Sessions, 1:50 - 3:40 pm

- 26: POSTERS in the following topic areas: Bridges, Design Criteria, Engineering Practice, Ground Motions, Geotechnical Structures, Response and Recovery, Seismic Code Issues, and Structures
- 27: PS-7 PANEL SESSION: Insurers
- 28: BR-4 BRIDGES: Seismic Eval. and Mitigation of Bridges in Mid-America
- 29: ST-6 STRUCTURES: Seismic Fragility as Measure of Performance

Calls for Abstracts

Conference on Loss Estimation and Risk Reduction

An International Conference on Loss Estimation and Risk Reduction will be held in Bucharest, Romania, October 24-26, 2002. The purpose of the Conference is to discuss, document, and disseminate modern approaches and technologies in earthquake risk reduction of vulnerable cities. Abstracts are being solicited on all topics related to the conference's purpose, including seismic instrumentation and realtime earthquake information, seismic hazard and site effects, ground motion input for building design, fragility analysis for buildings and structures, retrofitting and strengthening techniques for damaged buildings, seismic control techniques for buildings, damage and risk modeling, disaster prevention, and earthquake insurance.

The deadline for one-page abstracts is June 15, 2002. They should be submitted electronically to the Conference Secretariat at the Technical University of Civil Engineering in Bucharest (UTCB) via e-mail: eler2002@hidro.utcb.ro. For more information, see the web page: www.utcb.ro/conferin/conference.html, or e-mail Dan Lungu at lungud@hidro.utcb.ro.

Hazards 2002 Symposium

The Ninth International Symposium on Natural and Human-Made Hazards: Disaster Mitigation in the Perspective of the New Millennium will be held October 3-6, 2002, in Antalya, Turkey. The symposium is being organized by the Middle Eastern Technical University (METU) Disaster Management Implementation and Research Center.

The deadline for abstracts is May 30, 2002. More information, including abstract submission and registration,

is available at www.hazards2002.metu.edu.tr.

12th Symposium on Earthquake Engineering

The 12th Symposium on Earthquake Engineering (12SEE-2002) will be held at the IIT-Roorkee, December 16-18, 2002. The symposium will provide a platform for researchers, professionals, planners, and policy makers to share the latest knowledge and techniques for mitigating the impact of earthquakes on the natural and built environment and to focus on key issues needing future attention.

Abstracts of 250 words or less are due by August 1, 2002. Full papers are due October 15, 2002. For more information contact the symposium organizers by e-mail: 12see@rurkiu.ernet.in.

Announcements

CRSI Scholarships Available

The Concrete Reinforcing Steel Institute (CRSI) has announced its scholarship programs for the 2002-2003 academic year. CRSI plans to award scholarships to senior students and incoming graduate students (master's degree) in civil engineering, structural engineering, or architectural engineering. Preference will be given to applicants who have shown an interest in some phase of the reinforced concrete industry. The deadline for receipt of applications is June 3, 2002. For additional information and application forms, contact David Gustafson by phone: 847/517-1200 x13, fax: 847/517-1206, or e-mail: dgustafson@crsi.org.

Announcements

Workshop on 3-D Modelling of Seismic Waves

The Sixth Workshop on Three-Dimensional Modeling of Seismic Wave Generation, Propagation, and Their Inversion will be held September 30 through October 12, 2002, in Trieste, Italy. The topics of the workshop include: frequency-time analysis, modeling of seismic responses of layered media, source mechanism interpretation using seismic wave data, 2-D and 3-D seismic tomography, earth's seismicity, wave propagation across the earth, and seismological databases.

For more information on the workshop and to request a registration form, e-mail smr1429@ictp.trieste.it or see the web site www.ictp.trieste.it.

Activities of the Asian Seismological Commission

The National Society for Earthquake Technology in Nepal, Kathmandu, is organizing the Asian Seismological Commission (ASC) 2002. The events include a Pre-Symposium Training Course on Earthquake Vulnerability Reduction for Cities on November 18-22, 2002; the Fourth General Assembly of the Asian Seismological Commission on November 24, 2002; and the Symposium on Seismology, Earthquake Hazards Assessment and Risk Management on November 24-26, 2002.

For more information on the events of ASC 2002, see the web page www.nset.org.np/ASC2002 or e-mail asc@nset.org.np.

Announcements

CISN Launches Official Web Site

The California Integrated Seismic Network (CISN) recently launched its official web site at www.cisn.org. CISN is comprised of the California Geological Survey (formerly the California Division of Mines and Geology), the Caltech Seismological Laboratory, the Berkeley Seismological Laboratory, the USGS at Menlo Park, and the USGS at Pasadena. Leadership and funding are provided by the Governor's Office of Emergency Services.

CISN's purpose is to serve the emergency response, engineering, and scientific communities by working to integrate existing monitoring efforts into a single statewide system. To facilitate coordination of activities among institutions, the CISN has formed three management centers: the Southern California Management Center — Caltech and USGS Pasadena; the Northern California Management Center — UC Berkeley and USGS Menlo Park; and the Engineering Management Center — California Geological Survey and USGS National Strong Motion Program. The Northern and Southern Califor-

nia Management Centers operate as twin earthquake processing centers. The Engineering Management Center has the lead responsibility for producing engineering data products.

The CISN Steering Committee has selected an Advisory Committee representing the interests of structural engineers, seismologists, emergency managers, industry, government, and utilities. It has also formed a Program Management Group to address planning and coordination and a Standards Committee to resolve technical design and implementation issues.

Upcoming Southern California Chapter Meeting

The next meeting of EERI's Southern California Chapter will be held on Thursday, May 16, 2002, from noon to 1:30 pm at the Los Angeles County Department of Public Works Building, 900 S. Fremont, Alhambra. The speaker will be Frank Borden, a consultant in emergency response and a former firefighter. He will speak on "Response to Terrorism — A New Perspective." For more information, contact Marshall Lew at MLew@kennesaw.Lawco.com.

Publications

Holistic Disaster Recovery

Holistic Disaster Recovery: Ideas for Building Local Sustainability After a Natural Disaster is the title of a handbook recently produced by the Natural Hazards Research and Applications Information Center at the University of Colorado with funding from the Public Entity Risk Institute.

This handbook is intended to complement other documents already available on recovery, reconstruction, planning, mitigation, and related local concerns. It does not cover all those issues comprehensively, even though they are all touched upon. Instead, it provides a collection of ideas and guidance for looking at disaster recovery in a new way — from a local government perspective and with the broad ideals of sustainability firmly in mind.

The handbook can be accessed and downloaded from the Hazards Center's web site at www.colorado.edu/hazards/. Also at that site is a 12-page synopsis of the concept of holistic recovery as explored in this handbook.



**EARTHQUAKE ENGINEERING
RESEARCH INSTITUTE**
499 14th Street, Suite 320
Oakland, CA 94612-1934
ADDRESS SERVICE REQUESTED

PRSR FIRST CLASS
U.S. POSTAGE PAID
Sundance Press
85719