

National Science Foundation Statutory Implementation Activities National Earthquake Hazards Reduction Program

Presentation to the NEHRP Advisory Committee on Earthquake Hazard Reduction October 23, 2007

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National Science Foundation

From the <u>NSF Award Administration Guide</u> – applicable to NSF grants and cooperative agreements

http://www.nsf.gov/pubs/policydocs/pappguide/nsf08_1/aag_6.jsp#VIE:

"E. Publication/Distribution of Grant Materials

1. NSF Policy

NSF advocates and encourages open scientific and engineering communication. NSF expects significant findings from research it supports to be promptly submitted for publication, with authorship that accurately reflects the contributions of those involved.

2. Costs

Cost of documenting, preparing, publishing, disseminating and sharing research findings and supporting material are allowable charges against the grant. (See AAG Chapter V.B.7.)

3. Responsibilities

Unless otherwise provided in the grant, preparation, content, editing, identification of authorship and submission for publication of significant research findings are the responsibility of the investigators, consistent with such policies and procedures as the grantee may prescribe."



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A CONTRACTOR	
National Nat	tional Science Foundation
Summer Research	Experiences for Undergraduate Students Sites
 Southern Cali 	fornia Earthquake Center (SCEC/UseIT)
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 REU Site on I Assemblages (NSF Award 0 	Development of Enhanced Materials and Structural for Seismic Performance Evaluation Studies 0552786)
 NSF Supplements 	- Research Experiences for Undergraduates
NSF Education and	Human Resource Directorate Programs
 Deployment a NEES Cyberi 	nd Integration of Instructional Shake Tables Using the nfrastructure (NSF Award DUE-0618605)
 NSF Office of Cybe http://www.nsf.gov 	erinfrastructure - Cyberinfrastructure-Teams (CI-Team) /funding/pgm_summ.jsp?pims_id=12782&from=fund
 CI-TEAM Imp Next Generat 	lementation Project: Using Cyberinfrastructure to Develop ion Civil Infrastructure (NSF Award 0636300)
 CI-TEAM Der 0636286) 	nonstration: Tsunami Shelter Challenge (NSF Award
Advancement	of Cyberinfrastructure Careers through Earthquake System CESS) (NSF Award 0636438)
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Research Needs Reports Referenced in NSF NEES Research Solicitations

- Preventing Earthquake Disasters: The Grand Challenge in Earthquake Engineering – A Research Agenda for the Network for Earthquake Engineering Simulation (NEES) http://www.nap.edu/catalog/10799.html?ec_44
- Securing Society Against Catastrophic Earthquake Losses: A Research and Outreach Plan in Earthquake Engineering http://www.eeri.org/cds_publications/securing_society.pdf
- Research Needs Report, Building Seismic Safety Council http://www.bssconline.org
- ATC-EERI NEHRP Workshop on Meeting the Challenges of Existing Buildings, San Francisco, CA September 2007 to be referenced in NSF 08-xxx (co-funded with FEMA and NIST)

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Japan's Earth-Defense (E-Defense) Shake Table National Research Institute for Earth Science and Disaster Prevention (NIED)

Hyogo Earthquake Engineering Research Center Miki, Hyogo Prefecture, Japan (Kobe, Japan) http://www.bosai.go.jp/hyogo/ehyogo/





concrete building structure using E-Defense on January 2006. The test was part of five-year national research project - DaiDaiToku. The specimen was a 6-story wall-frame structure, 2 by 3 bays. NSF has agreement w/MEXT and NEESinc has agreement w/NIED for joint utilization of NEES and E-Defense facilities.

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