2006 COSMOS Technical Session

An Evaluation of Methods for the Selection and Scaling of Ground Motion Time Histories for Building Code and Performance-Based Earthquake Engineering Applications

Co-sponsored by the

Pacific Earthquake Engineering

Research Center

Doubletree Hotel

Berkeley, CA

November 17, 2005

Overview of Program

- Opening Remarks by Bob Bachman & Norm Abrahamson
- Morning Presentations by Jennie Watson-Lamprey, Charlie Kircher, Andrew Whittaker and Jack Baker
- Afternoon Presentations by Youesf Bozorgnia, Norm A., Nicolas Luco, Curt Haselton and Jennie W-L
- Panel Discussion – including questions and answers from audience
- No-host Cocktail Hour and Poster Session to continue discussion

About COSMOS

- **C**onsortium of **O**rganizations for **S**trong-**M**otion **O**bservations **S**ystems

- Objectives

  1. Develop policies and foster innovative ideas to **improve strong-motion measurement**s and their **applications**.
  2. Promote the advancement of strong-motion measurement both on the ground and in structures and lifelines.
  3. Encourage the rapid, convenient, and responsive distribution of ground motion measurements according to COSMOS standards
  4. Serve as a consortium where organizations, institutions and individuals can work in collaboration to solving mutual problems
  5. Improve user influence on data acquisition and data dissemination processes

About this Technical Session

- Prompted by Last Year's *COSMOS* Technical Session
- Request by Seismological Community to address concerns about the wide range in results one can obtain with current selection and modification approaches and their desire to better understand what the Structural Engineering is achieving with current rules and approaches and what they are trying to achieve.
- Take advantage of PEER research in this area
- Provide an Opportunity for Dialog between Design Engineers, Seismologists and Peer Reviewers
- Hopefully develop a Consensus that can be used in future code and standard developments as well as near-term projects.