



# PACIFIC EARTHQUAKE ENGINEERING RESEARCH CENTER

## PEER ANNUAL MEETING

### PROGRAM AGENDA - FRIDAY, JANUARY 20

|                                    |  |                                  |
|------------------------------------|--|----------------------------------|
| 8:00 - 9:00                        | <b>REGISTRATION</b>  | 4th Floor - ATRIUM               |
| 8:30 - 9:00                        | <b>BREAKFAST</b>   | 4th Floor - ATRIUM               |
| 9:00 - 9:30                        | <b>Opening Plenary Session</b> <ul style="list-style-type: none"><li>· Welcome</li><li>· An overview of the PEER research and education program aims and activities – <i>Jack Moehle, Greg Deierlein, Yousef Bozorgnia, and Scott Ashford</i></li><li>· Annual Meeting administrative details</li></ul>  | 4th Floor - PARC BALLROOM        |
| 9:30 - 10:30                       | <b>Session I – PBEE – How will it affect engineering practice and decision-making?</b> <ul style="list-style-type: none"><li>· Use of PBEE to guide selection of structural system based on performance metrics – <i>Ron Mayes</i></li><li>· PBEE: How it will affect design and assessment of nonstructural components – <i>Bob Bachman</i></li><li>· Use of PBEE to assess and improve building code provisions – <i>Greg Deierlein</i></li></ul>  | 4th Floor - PARC BALLROOM        |
| 10:30 - 11:00                      | <b>BREAK</b>   | 4th Floor - ATRIUM               |
| 11:00 - 12:00                      | <b>Session II – Ground Motions for Performance-based Earthquake Engineering: Selection of Ground Motions for Nonlinear Analysis</b> <ul style="list-style-type: none"><li>· State-of-the-practice on time series selection and scaling for nonlinear analysis – <i>Marshall Lew</i></li><li>· What PEER has done so far – <i>Nico Luco</i></li><li>· What PEER is doing now – <i>Tom Shantz</i></li><li>· Issues to be considered in the next couple of years – <i>Yousef Bozorgnia</i></li><li>· Discussions</li></ul>  | 4th Floor - PARC BALLROOM        |
| 12:00 - 1:00                       | <b>LUNCH</b>   | 4th Floor - ATRIUM               |
| 1:00 - 2:45<br>concurrent sessions | <b>Session IIIa – Nonlinear Analysis of Viaducts and Overpasses –</b> <ul style="list-style-type: none"><li>· Introduction/Overview of PEER program – <i>Stephen Mahin</i></li><li>· OpenSees – a status report – <i>Silvia Mazzoni</i></li><li>· Geotechnical Modeling Issues – <i>Steve Kramer</i></li><li>· Reinforced Concrete Bridge Columns – <i>Marc Eberhard</i></li><li>· Case Studies – <i>Bozidar Stojadinovic</i></li></ul>  | 4th Floor - PARC BALLROOM III    |
|                                    | <b>Session IIIb – PBEE Approach to Tall Building Design</b> <ul style="list-style-type: none"><li>· Highrise Buildings in West-Coast Cities – <i>Ronald Hamburger</i></li><li>· A View from the San Francisco Department of Building Inspection – <i>Laurence Kornfield</i></li><li>· Tall Buildings Design in Los Angeles – <i>Farzad Naeim</i></li><li>· Tall Building Design – an illustrative example – <i>Ron Klemencic</i></li><li>· The Role of Performance-Based Engineering in Tall Building Design – <i>Helmut Krawinkler</i></li><li>· Discussion</li></ul> | 4th Floor - PARC BALLROOM I & II |
| 2:45 - 3:15                        | <b>BREAK</b>   | 4th Floor - ATRIUM               |
| 3:15 - 5:00<br>concurrent sessions | <b>Session IVa – Nonductile Concrete Buildings</b> <ul style="list-style-type: none"><li>· Introduction and Overview – <i>Jack Moehle</i></li><li>· Columns – <i>Ken Elwood</i></li><li>· Beam-Column Connections – <i>Dawn Lehman</i></li><li>· Walls – <i>John Wallace</i></li><li>· The Concrete Coalition - an EERI initiative to promote action – <i>Craig Comartin</i></li><li>· Discussion</li></ul>  | 4th Floor - PARC BALLROOM I & II |
|                                    | <b>Session IVb – Managing seismic risk to California's Delta Levees and its impact on California's economy</b> <ul style="list-style-type: none"><li>· Introduction and Overview – <i>Ross Boulanger</i></li><li>· Levee Lessons from New Orleans – <i>Ray Seed</i></li><li>· The Sacramento-San Joaquin Delta – <i>Les Harder</i></li><li>· Seismic Risk Analyses for the Delta – <i>Marty McCann</i></li><li>· Discussion on application of PEER research to seismic problems in the Delta</li></ul>   | 4th Floor - PARC BALLROOM III    |
| 5:00 - 7:00                        | <b>Reception and Poster Session</b> <ul style="list-style-type: none"><li>· See the latest results and plans for all PEER-funded projects</li></ul>  | 3rd Floor - BARCELONA I & II     |
| 7:00 - 8:30                        | <b>BANQUET</b>   | 4th Floor - PARC BALLROOM        |



# PACIFIC EARTHQUAKE ENGINEERING RESEARCH CENTER PEER ANNUAL MEETING

## PROGRAM AGENDA - SATURDAY, JANUARY 21

|                                     |  |                           |
|-------------------------------------|--|---------------------------|
| 7:30 - 8:30                         | <b>BREAKFAST</b>   | 4th Floor - ATRIUM        |
| 8:30 - 9:30                         | <b>PLENARY - The PEER Legacy in Research and Education</b>   | 4th Floor - PARC BALLROOM |
| 9:30 - 9:45                         | <b>BREAK</b> (move to breakout rooms)  |                           |
| 9:45 - 12:00<br>concurrent sessions | <b>Thrust Area I – Loss Group</b><br>· Leader : Mary Comerio<br>· PEER Pls : Miranda, Ince, May, Beck, Der Kiureghian (IV)<br>· Other participants : Students and BIPs   | 4th Floor - DA VINCI I    |
|                                     | <b>Thrust Area I – Foundations</b><br>· Leader : Jon Stewart<br>· PEER Pls : Kutter, Hutchinson<br>· Other participants : Students and BIPs  | 4th Floor - DA VINCI II   |
|                                     | <b>Thrust Area I – Structural Analysis / Assessment</b><br>· Leader : Helmut Krawinkler<br>· PEER Pls : Deierlein, Lowes, Filippou (IV), Moehle (IV), Mosalam (IV)<br>· Other participants : Students and BIPs             | 3rd Floor - BARCELONA I   |
|                                     | <b>Thrust Area II – Bridges with Liquefaction</b><br>· Leader : Ross Boulanger<br>· PEER Pls : Ashford, Kramer, Bray, Martin, Elgamal (IV), Jeremic (IV), Conte (IV)<br>· Other participants : Students and BIPs           | 3rd Floor - BARCELONA II  |
|                                     | <b>Thrust Area II – Benchmark and Self-Centering Bridges</b><br>· Leader : Stephen Mahin<br>· PEER Pls : Stojadinovic, Billington, Lehman, Eberhard, Kunnath (IV), Fenves (IV)<br>· Other participants : Students and BIPs | 4th Floor - PARC BALLROOM |
|                                     | <b>Thrust Area II – Transportation Systems</b><br>· PEER Pls : Fan, Moore, Kiremidjian<br>· Other participants : Students and BIPs   | 4th Floor - DA VINCI III  |
| 12:00 - 1:00                        | <b>LUNCH</b><br>· Separate closed meeting of IAB and SAC (DANTE ROOM)<br>· Separate Education Committee meeting (MICHELANGELO ROOM)  | 4th Floor - ATRIUM        |
| 1:00 - 3:00<br>concurrent sessions  | <b>Thrust Area I – Building Systems</b><br>· Leaders : Comerio & Krawinkler<br>· Participants : Faculty, Students, and BIP associated with TA I  | 3rd Floor - BARCELONA II  |
|                                     | <b>Thrust Area II – Bridges &amp; Transportation Systems</b><br>· Leaders : Mahin & Boulanger<br>· Participants : Faculty, Students, and BIP associated with TA II   | 4th Floor - PARC BALLROOM |
|                                     | <b>Thrust Area IV – Simulation and Information Technologies</b><br>· Leaders : Fenves & Elgamal<br>· Participants : Faculty, Students, and BIP associated with TA IV   | 3rd Floor - BARCELONA I   |
| 3:00                                | <b>PEER Annual Meeting Adjourns</b>  |                           |
| 3:00 - 4:30                         | <b>Closed strategy/wrap-up meeting of Research Committee and representatives from IAB, BIP, and JMC</b>  | 4th Floor - MICHELANGELO  |

## PROGRAM AGENDA - SUNDAY, JANUARY 22

|              |                              |                   |
|--------------|------------------------------|-------------------|
| 9:00 - 11:00 | <b>SLC Committee Meeting</b> | 4th Floor - DANTE |
|--------------|------------------------------|-------------------|