SCEC Earthquake Simulators Workshop
November 2-6, 2007
Embassy Suites Mandalay Beach Resort, Oxnard, CA

Friday, November 2nd
4:00 pm Hotel Check-In
5:30 – 7:30 Manager's Reception (hosted by Hotel daily) Surf Room
7:00 – 8:30 Welcome Dinner Capistrano’s

Saturday, November 3rd
7:00 – 10:30 am Breakfast Surf Room
Introductory Presentations Embassy Ballroom
8:00 – 8:15 Welcome and Intro: Compromises and Challenges and Goals in Simulations – Terry Tullis
8:15 – 8:30 Role of EQ Simulators in SCEC – Tom Jordan
8:30 – 9:00 Brief intro to hard problems we face (friction, dynamics, geometric complexity, boundary conditions, elastic heterogeneity, inelastic off-fault deformation, how to use other data, other issues)
9:00 – 9:45 John Rundle
9:45 – 10:00 Discussion
10:00 – 10:30 Break
10:30 – 11:15 Steve Ward
11:15 – 11:30 Discussion
11:30 – 12:15 Russell Robinson
12:15 – 12:30 Discussion
12:30 – 1:30 pm Lunch Capistrano’s
Introductory Presentations Continued Embassy Ballroom
2:00 – 2:45 Jim Dieterich
2:45 – 3:00 Discussion
3:00 – 3:45 Terry Tullis
3:45 – 4:00 Discussion
4:00 – 4:30 Break
4:30 – 5:15 Nadia Lapusta
5:15 – 5:30 Discussion
5:30 – 7:30 Manager's Reception (hosted by Hotel daily) Surf Room
6:30 – 8:00 Dinner Capistrano’s
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Sunday, November 4th
7:00 – 10:30 am  Breakfast  
Friction and Dynamics  
Surf Room  
8:00 – 8:15  Friction – Terry Tullis, Nadia Lapusta and others (brief presentations and extensive discussion)  
Embassy Ballroom  
10:00 – 10:45  Break  
10:45 – 12:00  Dynamics and quasi-dynanmics – Nadia Lapusta and others (brief presentations and extensive discussions)  
12:30 – 1:30 pm  Lunch  
Geometric Complexity and Other Issues  
Embassy Ballroom  
1:30 – 3:00  Geometric complexity at all scales – John Rundle, Steve Ward, Russell Robinson, Jim Dieterich (brief presentations and extensive discussion)  
3:00 – 3:45  Break  
3:45 – 5:00  Boundary conditions, elastic heterogeneity, inelastic off-fault deformation, input data to use – Jim Dieterich and others (brief presentations and extensive discussion)  
5:30 – 7:30  Manager’s Reception (hosted by Hotel daily)  
Capistrano’s  
6:30 – 8:00  Dinner  

Monday, November 5th
7:00 – 10:30 am  Breakfast  
Computation Reducing Approaches  
Embassy Ballroom  
8:00 – 9:45  Nadia Lapusta, Terry Tullis, Jim Dieterich, and others  
9:45 – 10:30  Break  
10:30 – 12:00  Discussion  
12:30 – 1:30 pm  Lunch  
Evaluating and Comparing Simulators; Funding  
Embassy Ballroom  
1:30 – 3:00  How do we evaluate simulators, can we define standard problems all simulators can deal with, can we define uncertainties in simulator results, what analysis/data-mining tools need to be developed and how should this be done? Includes Ruth Harris’ thoughts based on SCEC’s dynamic rupture code comparison exercise.  
3:00 – 3:45  Break  
3:45 – 4:30  Funding possibilities via SCEC and other sources – Need to clearly define the reasons we need simulators  
4:30 – 5:00  Do we need a funding-oriented workshop with program administrators?  
5:00 – 5:30  General Discussion  
5:30 – 7:30  Manager’s Reception (hosted by Hotel daily)  
Surf Room  
6:30 – 8:00  Dinner  
Capistrano’s
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Tuesday, November 6th

7:00 – 10:30 am  Breakfast  Surf Room
    Next Steps  Embassy Ballroom

7:00 – 10:30 am  Breakfast  Surf Room
    Next Steps  Embassy Ballroom

8:00 – 8:30  Code sharing and collaboration
8:30 – 8:45  Future science/technical workshops
8:45 – 9:15  Creation of some formal simulator-collaborative-network and/or
             website to facilitate progress?
9:15 – 10:15  Steps needed for conducting SCECC proposal project
10:15 – 11:00  Break
11:00 – 11:30  Closing perspectives on workshop and future from: Rundle, Ward, Robinson, Dieterich, Tullis, and Lapusta
11:30 – 12:00  Closing perspectives on workshop and future from other participants
12:00 pm  Workshop adjourns
# SCEC Earthquake Simulators Workshop Attendees

November 2-6, 2007  
Embassy Suites Mandalay Beach Resort, Oxnard, CA

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