

Long Range Science Plan for Seismology Workshop

September 18 & 19, 2008
Qwest Center, Lakewood, CO

Agenda

Thursday, September 18

7:30 a.m. - 9:00 a.m. TABERNASH CAFÉ	Breakfast	
9:00 a.m. - 10:00 a.m. 112 B & D	Opening Plenary Session Welcome & Agenda NSF Perspectives LRSPS Overview and Goals	Rick Aster, Don Forsyth Tim Killeen, Bob Detrick Barbara Romanowicz, Thorne Lay
10:00 a.m. - 10:15 a.m. OUTSIDE 112 B & D	Break	
10:15 a.m. - 11:45 a.m. 112 B & D	Plenary One Overviews: Seismological Structure and Processes <i>Understanding the Lithosphere: Challenges for the Future</i> <i>Recent Advances and Road Ahead for Global Seismology</i> <i>New Frontiers for Crustal Seismology</i>	Karen Fischer Rob van der Hilst Larry Brown
	Moderator: Barbara Romanowicz	
11:45 a.m. - 1:00 p.m. TABERNASH CAFÉ	Lunch	
1:00 p.m. - 1:10 p.m. 112 B & D	Plenary - Breakout Group Introductions - Seismological Structure and Processes	
1:10 p.m. - 3:00 p.m.	Breakout Groups - Seismological Structure and Processes	
<u><i>The Crust and Lithosphere</i></u> 112 B & D George Zandt Alan Levander	<u><i>The Mantle Through the Transition Zone</i></u> SOUTH BREAK ROOM 1st FLOOR Peter Shearer Steve Grand	<u><i>The Lower Mantle and Core</i></u> 211 Ed Garnero Miaki Ishii
		<u><i>Ocean Crust and Mantle</i></u> 119 Anne Trehu Jim Gaherty
3:00 p.m. - 3:15 p.m. OUTSIDE 112 B & D	Break	
3:15 p.m. - 4:45 p.m. 112 B & D	Plenary Two Overviews: Seismic Sources <i>The Physics of Earthquakes and Volcanoes</i> <i>Seismic Detection and Study of Environmental Processes in the Hydrosphere and Cryosphere</i> <i>Seismo-acoustic Studies at the Earth's Surface and in the Atmosphere</i>	Emily Brodsky Doug Wiens Michael Hedlin
	Moderator: Don Forsyth	
4:45 p.m. - 5:00 p.m.	Plenary Discussion	
5:00 p.m. - 7:00 p.m.	Breakout Groups - Seismic Sources	
<u><i>The Earthquake Source</i></u> 112 B & D Ralph Archuleta John Vidale	<u><i>Volcano Seismology & Infrasound</i></u> SOUTH BREAK ROOM 1st FLOOR Steve McNutt Greg Waite	<u><i>Seismology & Oceanography</i></u> 211 Peter Bromirski Steve Holbrook
		<u><i>Cryoseismology</i></u> 119 Goran Ekstrom Doug MacAyeal
7:00 p.m. - 8:00 p.m. PRIVATE DINING ROOMS	Dinner	
8:00 p.m. - 9:00 p.m. ATRIUM	Facilities Posters (Open Bar) Posters on display through Friday	

Friday, September 19

7:00 a.m. - 8:00 a.m.
TABERNASH CAFÉ

Breakfast

8:00 a.m. - 9:30 a.m.
112 B & D

Plenary Three Overviews: Seismology, Hazards, and Environment

Societal Challenges for Seismology
Faults and Fault Behavior at All Scales
Seismically Monitoring the Earth

Tom Jordan
Greg Beroza
Bill Walter

Moderator: Rick Aster

9:30 a.m. - 9:50 a.m.
OUTSIDE 112 B & D

Break

9:50 a.m. - 10:00 a.m.

Plenary Discussion

10:00 a.m. - 12:00 p.m.

Breakout Groups - Seismology, Hazards, and Environment

Earthquake Forecasting,

Stress, Strain, Rheology

The Near-Surface

Anthropogenic and

Early Warning &

& Faulting

211

Novel Sources

Prediction

112 C

John Louie

130

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Thorsten Becker

Tom Pratt

Keith Koper

Richard Allen

Paul Segall

Brian Stump

Cliff Thurber

12:00 p.m. - 1:00 p.m.
TABERNASH CAFÉ

Lunch

1:00 p.m. - 3:00 p.m.
112 B & D

Plenary Session - Breakout Group Presentations

3:00 p.m. - 3:30 p.m.
OUTSIDE 112 B & D

Break

3:30 p.m. - 5:00 p.m.
112 B & D

Moderated Overview

Speakers: Rick Aster, Barbara Romanowicz, Don Forsyth, Thorne Lay

ADJOURN

5:30 p.m. - 6:30 p.m.
PRIVATE DINING ROOMS

Dinner (by prior arrangement)

6:30 p.m. - 7:30 p.m.
PRIVATE DINING ROOMS

Writing Group Dinner/Discussion

WRITING GROUP ONLY

Saturday, September 20

WRITING GROUP ONLY

7:30 a.m. - 8:30 a.m.
PRIVATE DINING ROOMS

Breakfast

8:30 a.m. - 12:00 p.m.
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Writing Group Meets and Assigns Tasks

Writing Group:
Thorne Lay (Chair)
Richard Allen
Vernon Cormier
Joan Gomberg
John Hole
Guy Masters
Derek Schutt
Anne Sheehan
Jeroen Tromp
Michael Wyssession