

SEISMIC INSTRUMENTATION TECHNOLOGY SYMPOSIUM

Palm Springs, CA • November 10-11, 2009

Spectral Extremes – Pushing the Limits of Sensing Ground Motion

(40 minute talks, 5 minutes for questions)

TUESDAY, NOVEMBER 10

7:00-8:00 a.m. Continental Breakfast

8:00-8:15 a.m. Welcome and Introduction – Bob Nigbor (UCLA) and John Collins (WHOI)

SESSION I – Low Frequency/Long Period

8:15-9:00 a.m. Long Period Seismology – Miaki Ishii (Harvard)

9:00-9:45 a.m. Low Frequency/Long Period Instrumentation Developments – Jon Berger (UCSD)

9:45-10:30 a.m. Low Frequency Rotational Seismology – Heiner Igel (Ludwig - Maximilians University)

10:30-10:45 a.m. BREAK

10:45-11:30 a.m. Site and Installation Effects on the Quality of Low Frequency Seismic Data – Meredith Nettles (Columbia)

11:30 a.m.-12:15 p.m. Barometric Pressure Measurements and Corrections for Low Frequency Seismology – Joe Steim (Quanterra)

12:15-1:00 p.m. LUNCH

SESSION II – High Frequency/Short Period

1:00-1:45 p.m. Insights into Earthquake Source Physics from High-Frequency Seismology – Yehuda Ben-Zion (USC)

1:45-2:30 p.m. Near-Source Seismic Measurements – Malcolm Johnston (USGS)

2:30-3:15 p.m. Seismic Instrumentation and Monitoring Needs for US Nuclear Plants – Annie Kammerer (USNRC)

3:15-3:30 p.m. BREAK

3:30-4:15 p.m. Engineering Needs for High Frequencies – Derek Skolnik (UCLA)

4:15-5:00 p.m. Technologies for High Frequency Rotational Measurements – John Evans (USGS)/Dennis Smith (ATA)

POSTERS – Posters may be viewed from 11:30 a.m. Tuesday – 1:00 p.m. Wednesday.

5:00-7:00 p.m. Poster Session – Heavy hors d'oeuvres and refreshments served



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WEDNESDAY, NOVEMBER 11

SESSION III – Outer Limits

7:00-8:00 a.m. Continental Breakfast

8:00-8:15 a.m. Welcome and Introduction – Bob Nigbor (UCLA) and John Collins (WHOI)

8:15-9:00 a.m. Structural Monitoring (man-made) – Bob Nigbor (UCLA)

9:00-9:45 a.m. Measurements Using Atom Free Fall – Mark Kasevich (Stanford)

9:45-10:30 a.m. DOD Needs for Seismic and Acoustic Technologies – Joe Durek (DARPA)

10:30-10:45 a.m. BREAK

10:45-11:30 a.m. Piezoceramic Sensors and Infrasound – Carrick Talmadge (U. of Miss.)

11:30 a.m.-12:15 p.m. MEMS Applications in Seismology – John Merchant (Sandia)

12:15 p.m. ADJOURN – Bob Nigbor (UCLA) and John Collins (WHOI)

