

Earthscope Imaging Science/Computational Infrastructure for Geodynamics Workshop

Tuesday October 31 to Thursday November 2, 2006

*Knight Conference Center
Washington University St. Louis*

Monday 30 October:

6:30 PM Shuttle from Sheraton

7:00-9:00 PM Icebreaker in Knight Conference Center Bar: Snacks and cash bar

9:30 PM Shuttle to Sheraton

Tuesday 31 October

8:30 – 10:00 AM CIG Talk 1 SPEC-FEM: Jeroen Tromp

10:00-10:30 AM Coffee Break

10:30-12:00 AM Imaging Science Talks

1) What's an imaging system: Alan Levander

2) Acquisition, geometry, and image reconstruction:
Steph ane Rondenay

12:00-1:30 PM Lunch

1:30-6:00 PM Parallel Tutorial Sessions

CIG Tutorial: SPEC-FEM

IS Tutorial: Geometry & Resolution: Levander/Rondenay

3:00-3:30 Afternoon break

7:00-8:00 PM Dinner

8:00-9:00 PM Visualization presentation/demo/discussion Chuck Meertens

Wednesday 1 November

8:30 – 10:00 AM CIG Talk 2: Normal Modes Synthetics: Guy Masters

10:00-10:30 AM Coffee Break

10:30-12:00 AM Imaging Science Talks:

1) The Earth's impulse response: Gary Pavlis

2) Signal conditioning: Rick Aster

12:00-1:30 PM Lunch

1:30-6:00 PM Parallel Tutorial Sessions

CIG: Modes code tutorial: Misha Barmin

IS: Receiver functions and signal conditioning: Pavlis/Aster

3:00-3:30 Afternoon break

6:00-7:00 PM Visualization tutorial: Chuck Meertens
8:00-9:00 PM Dinner

Thursday 2 November

8:30-9:30 CIG Directions discussion
9:30-10:30 Imaging Science Directions – discussion
 1) Benchmarks
 2) Model exchange
 3) What will it take to do 3D? Facilities, instruments,
 algorithms
 4) Next workshop

10:30-11:00 Coffee break

11:00-12:00 Research talks

 Rob van der Hilst: 3-D seismic exploration of the lowermost mantle with inverse
 scattering and statistical inference
 Don Helmberger: A tour around D"

The meeting concludes at noon. Lunch is NOT provided.