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 SPECFEM: 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: Stepháne Rondenay
12:00-1:30 PM    Lunch
1:30-6:00 PM     Parallel Tutorial Sessions
    CIG Tutorial: SPECFEM
    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
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<th>Time</th>
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<tr>
<td>6:00-7:00 PM</td>
<td>Visualization tutorial: Chuck Meertens</td>
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<tr>
<td>8:00-9:00 PM</td>
<td>Dinner</td>
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**Thursday 2 November**

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<th>Time</th>
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<tr>
<td>8:30-9:30</td>
<td>CIG Directions discussion</td>
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<td>9:30-10:30</td>
<td>Imaging Science Directions – discussion</td>
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<td></td>
<td>1) Benchmarks</td>
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<td>2) Model exchange</td>
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<td>3) What will it take to do 3D? Facilities, instruments, algorithms</td>
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<td>4) Next workshop</td>
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<td>10:30-11:00</td>
<td>Coffee break</td>
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<td>11:00-12:00</td>
<td>Research talks</td>
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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.