

## **ACTION ITEMS, PART 1**

The first set of action items are proposed to be completed by the end of SCEC5:

- Develop end-to-end full 3D tomography (F3DT) code and workflow
- Develop an approach and tools for integrating new models into current models and examining quality of the modified model for validation
- Develop strategies for dealing with topography in creating, modifying, or comparing models
- Make detailed comparisons between the current CVM-S and CVM-H models
- Develop and share SCEC ambient noise Green's function results
- Relocate earthquakes in the current CVM-S and CVM-H models for Community Fault Model assessment
- Submit decimated versions of the current CVM-S and CVM-H models to the IRIS EMC

## **ACTION ITEMS, PART 2**

The second set of action items are somewhat lower in priority and may be initiated but likely not completed during SCEC5:

- Develop approaches for assessing model uncertainty
- Explore approaches for determining near-surface structure and fine-scale heterogeneity
- Explore strategies for imbedding high-resolution near-surface structure and fault zone models into CVMs
- Pursue the potential of joint geophysical inversions to improve CVMs
- Establish libraries of (1) data used to develop SCEC CVMs and (2) real and synthetic Green's functions
- Incorporate Salton Sea experiment data into next round of model updates
- Work to increase availability of continuous strong motion data