

# PHOTON SCIENCE INTEGRATION STUDY (PSIS) COMMITTEE

## KEY SCIENTIFIC OPPORTUNITY OPTIONS FOR SLAC

In June 2012, SLAC Director Persis Drell charged Chief Scientist, Prof. Z.X. Shen and Photon Science Prof. Emeritus Ingolf Lindau with creating a strategic planning process that looked at all elements of photon science at SLAC as well as identifying key scientific opportunity options for the laboratory.

With inputs from Associate Laboratory Directors and the SLAC Executive Committee, the Photon Science Integration Study Committee was set-up comprised of the following members:

*Zhenan Bao* – Prof., Chemical Engineering  
*Christoph Bostedt* – AMO Instrument Scientist/LCLS  
*Eric Colby* – Sr. Staff Scientist/Adv. Accelerator Research Div.  
*Alan Fry* – Laser Dept. Deputy/LCLS  
*Stefan Funk* – Asst. Prof. Particle Physics & Astrophysics  
*Kelly Gaffney* – Asst. Prof. PULSE/Photon Science  
*Ana Gonzalez* – Staff Scientist/SSRL, Macromolecular Crystallography  
*Zhirong Huang* – Sr. Staff Scientist/FEL Physics Group Leader, Beam Physics Dept.  
*Aaron Lindenberg* – Asst. Prof./PULSE, Materials Science & Engineering  
*Stefan Mannsfeld* – Staff Scientist/SSRL  
*Wendy Mao* – Asst. Prof./SIMES/Geological & Environmental Sciences  
*Sri Raghu* – Asst. Prof./SIMES/Physics  
*Soichi Wakatsuki* – Prof./Photon Science and Structural Biology (joining SLAC 2013)

The PSIS Committee has been working since June 2012 through fact finding, a visit to Lawrence Berkeley National Lab, a brainstorming session, a retreat, and a discussion with the SLAC executive committee. Through this process, the Committee identified five broad theme areas – Accelerator-based Photon Science Tools, Laser Center, Integrated Materials Design Center, Bio-Science Center, and Theory/Simulation.

On Dec. 10, 2012, from 1:30 p.m. to 3:30 p.m., the PSIS Committee held a town hall meeting in Kavli Auditorium to report preliminary findings and seek input from the broader SLAC research community  
**Town Hall announcement**

**Letter of Charge** (dated June 13, 2012) by former director Persis Drell, with continued support by the current director, Chi-Chang Kao.

**PSIS Comm. Town Hall meeting** (December 10, 2012) – **PowerPoint Presentation**

We are looking for your feedback and would appreciate hearing from you!

**Please submit FEEDBACK to Prof. Shen's assistant via this email link:**  
[toakley@SLAC.Stanford.EDU](mailto:toakley@SLAC.Stanford.EDU)