



Synchrotron Facilities as Cultural Science Centers

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The Advanced Light Source at the Lawrence Berkeley National Laboratory





Eighth International Conference on Synchrotron Radiation Instrumentation, San Francisco, CA; August 25-29, 2003



**EIGHTH INTERNATIONAL CONFERENCE
on SYNCHROTRON RADIATION
INSTRUMENTATION**

August 25-29, 2003

Tea and Breads Arts Center
San Francisco

The Eighth International Conference on Synchrotron Radiation Instrumentation will feature new developments in synchrotron radiation sources and free electron lasers or photon energies from the infrared to hard x-rays, beamline instrumentation to transport the radiation to experiments, and experimental techniques to utilize it. Special emphasis will be given to frontier topics in these areas, ranging from sources of high-brightness variable polarized radiation and ultrashort pulses to advanced techniques in spectroscopy, spectro-microscopy, nanoscale imaging, coherent scattering, and microdiffraction. Plenary lectures will discuss the scientific motivation and vision driving the development of novel radiation sources, instrumentation, and experimental techniques.

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Stanford-Berkeley Co-Chairs of SRI-2003

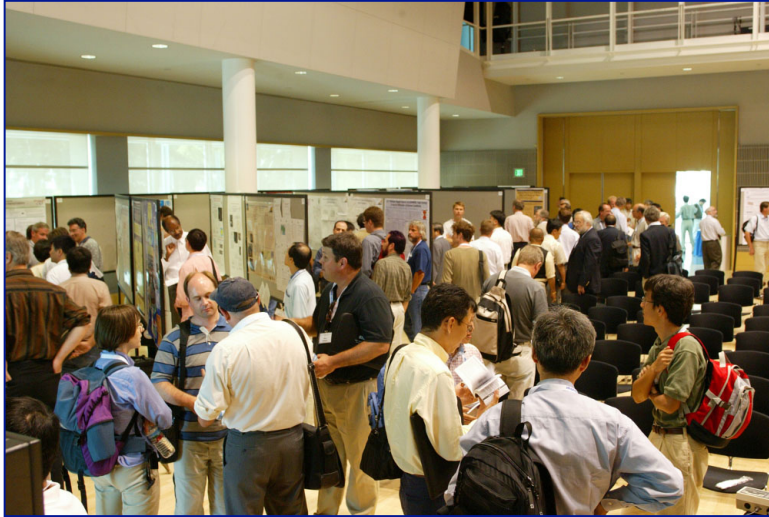


Howard Padmore (Berkeley) and Jo Stöhr (Stanford) welcome an overflow crowd to the conference.

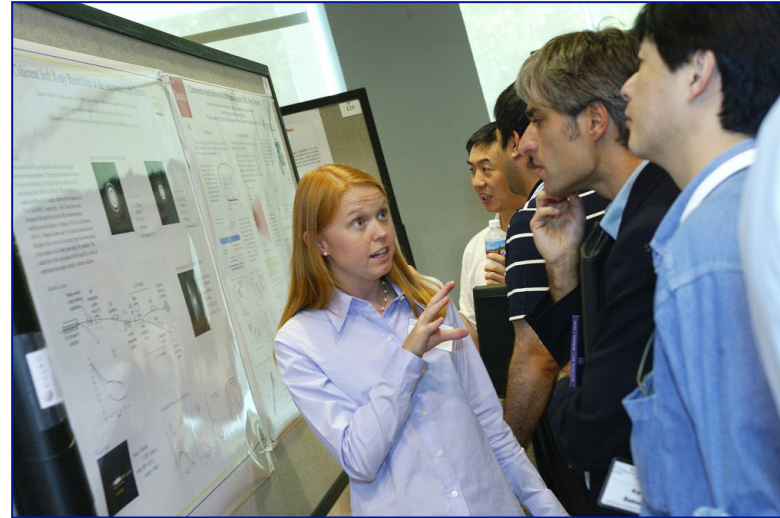




Parallel sessions, vendor exhibits, poster sessions, enthusiastic crowds



Poster session at SRI 2003



Future Professor Kristine Rosfjord



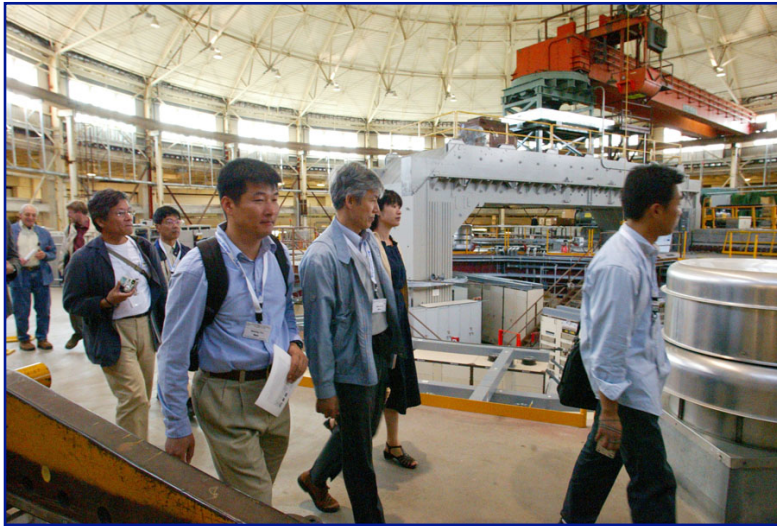
Yerba Buena Center for the Arts, San Francisco



Herman Winick, Al Thompson, Dale Sayers



Lab tours, public education outreach, art and science at SRI-2003





Users' meeting essential: communicate the enthusiasm for science



Many specialized workshops foster communication and help develop future leaders; communication with major sponsors (governments, inter-governmental agencies); establish opportunities for industry.



AIS Director Janos Kirz



Berkeley Lab Director Steven Chu



Science highlights



Andrea Cavalleri



Anne Gorden



Young scientists reports; career encouragement



Karine Chesnel



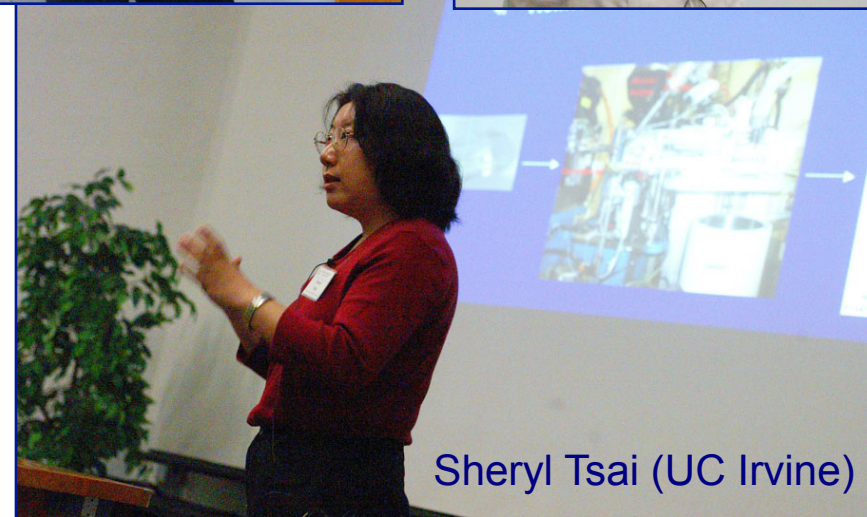
Carolyn
Larabell



Norman Manella
(UC Davis)



Byron Freelon



Sheryl Tsai (UC Irvine)

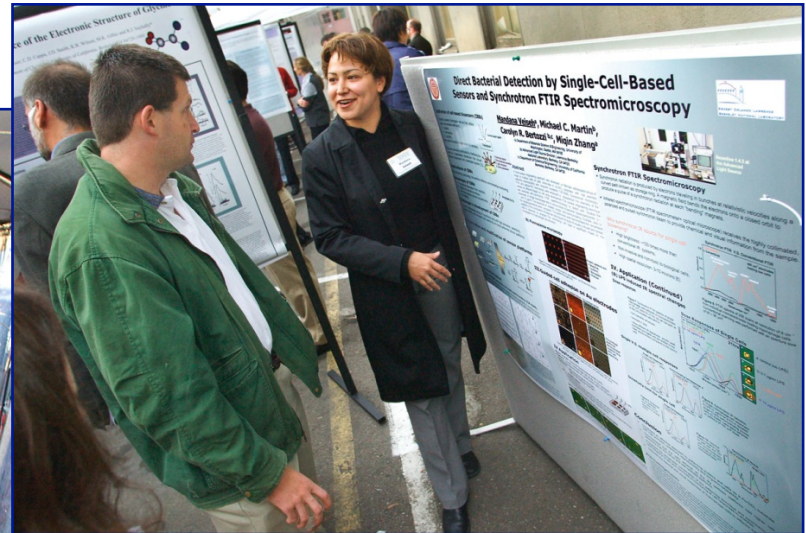
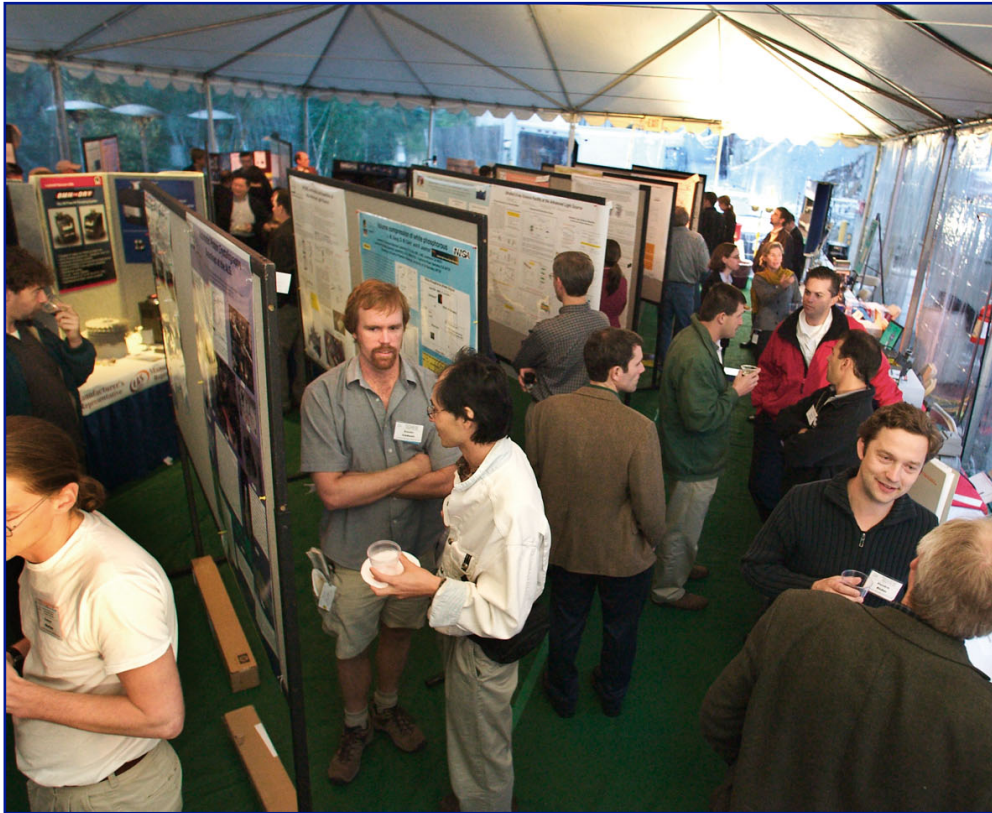


Poster sessions are well attended and very popular (food and drink included)





Busy poster session





Public science lecture at ALS User Meeting



“The Magic of Magnetism”
Dr. Joachim (Jo) Stöhr, Stanford





Klaus Halbach Award for Innovative Instrumentation and the David A. Shirley Award for Outstanding Scientific Achievement





Banquets and awards unite the community





Annual meeting banquet encourages collaborations





Opportunities for university, industry, government collaborations





Funding by complex consortia is essential for building requisite beamline facilities





Educational outreach activities are weekly events



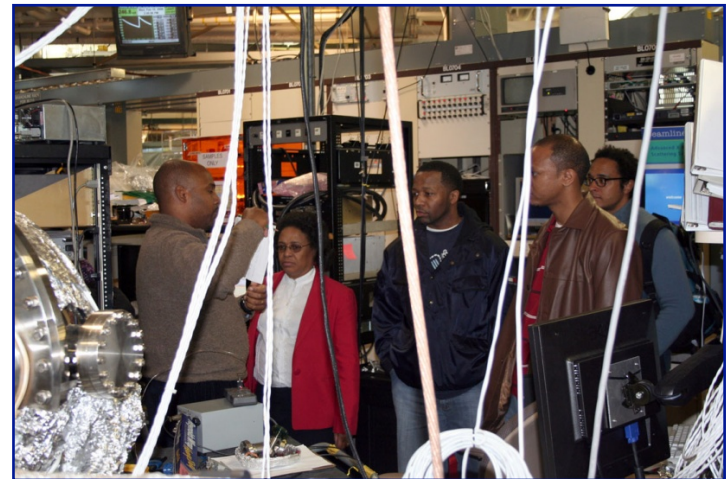
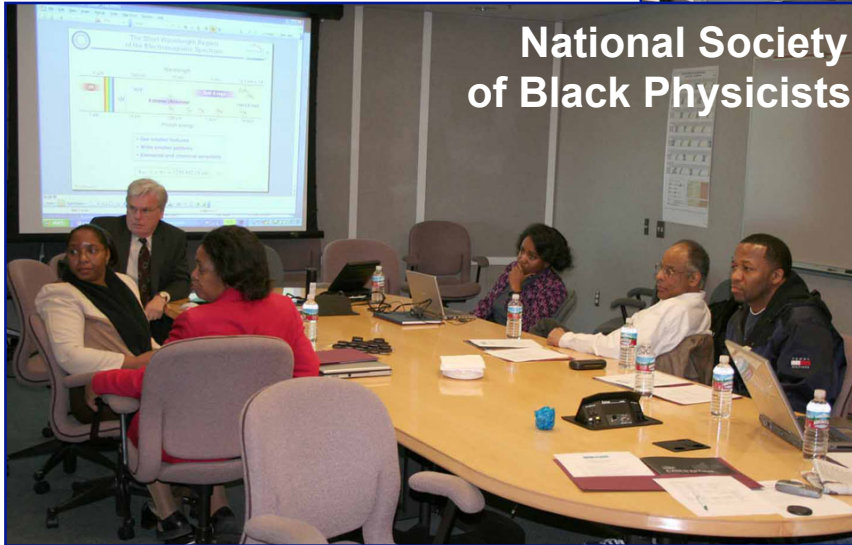
Biotechnology Education



“Superb” Undergraduate Summer Research



National Society of Black Physicists





Daughters and Sons to Work day - girls and boys aged 9-14



Tours of the ALS



Exploring the properties of light
with lenses and lasers



Art at the ALS





Art at the ALS: UC Berkeley art students visited the ALS and later displayed their work





Art at the ALS: Synchrotron Radiation News





Pat Dehmer, Director of Basic Energy Sciences, with original artwork created by a UC Berkeley student





Molecular Nanoscience Workshop in honor of ALS Director Daniel Chemla's 65th birthday





Special tours for governmental leaders



Communicate directly the benefits of their investments;
young faces communicate where the future lies.



US Congressman David Hobson



Distinguished Visitor: Governor Schwarzenegger

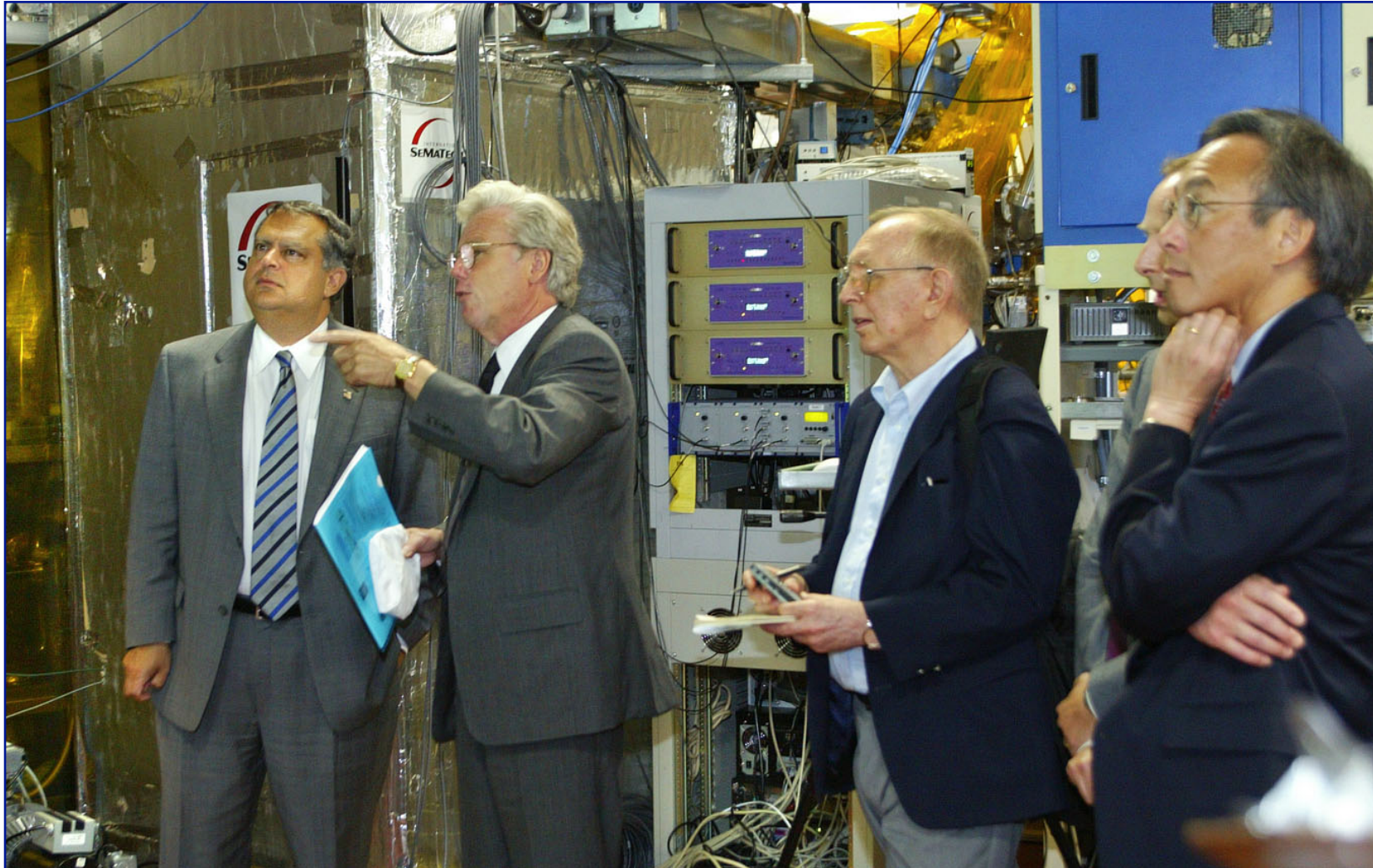


California Governor Arnold Schwarzenegger visits the ALS with UC President Robert Dynes, UC Berkeley Chancellor Robert Birgeneau and Berkeley Lab Director Steven Chu.





Energy Minister (DOE) Spencer Abraham learns how EUV lithography research at the ALS is contributing to the development of smaller, more powerful computer chips





German Chancellor Helmut Kohl visits the ALS





Future Secretary (Minister) of Energy, Steven Chu





Distinguished visitor: Ray Orbach, Director of the DOE Office of Science



With Eli Rotenberg and ALS Director, Janos Kirz



University of California regent visits the ALS as part of science and education review



Steven Chu, Gary Novak (UC Regent) and Carolyn Larabell, UCSF Biologist



Berkeley/Stanford Summer School on synchrotron radiation and its applications



Prof. Serena
DeBeer George
from Stanford



Berkeley/Stanford Summer School: friendships that last a lifetime

