The 8th international Workshop on Accelerator Operations will be held at SLAC National Accelerator Laboratory, August 6-10, 2012. The series of Workshops on Accelerator Operations brings together professionals involved in day-to-day operation of accelerators with the goal of sharing information. By learning how others address such topics as staffing, training, documentation, commissioning, safety and maintenance, attendees can improve the efficiency of their own operations. The format is intended to foster interaction, with a combination of scheduled talks, open discussions, and submitted posters.

Program Topics:
- Operator Development
- Managing Safety
- High Power Beams
- Superconducting Systems
- X-Ray FELs
- Reliability & Availability
- Communication
- Recommissioning & Decommissioning
- Emergency Preparedness
- Adapting to Change
- Optimizing Diagnostics
- Automation
- Unique tools for small problems

Program Committee:
- Dan Johnson  FNAL
- Eiichi Takada  NIRS
- Kazuro Furukawa  KEK
- Larent Hardy  ESRF
- Jim Morel  LBNL
- Michael Bieler  DESY
- Michael Slanek  SLAC
- Peter Ingrassia  BNL
- Petra Schuetz  GSI
- Qin Qing  IHEP
- Rossano Giachino  CERN
- Violeta Toma  TRIUMF
- Wenzhi Zhang  SSRF
- Glen Johns  ORNL
- Noel Okay  JLAB

For more information:
www-conf.slac.stanford.edu/wao2012
Thank you to WAO Local Support staff

Helen O’Donnell
Barbara Hemstad
Lisa Adair
Wanda Elliot
Bernadette Espiritu
Queenie Huang
Naomi Nagahashi
Sharon Oden
Judy Pena

IT Support – Ken Zhou
### Nations: 14
- Australia
- Canada
- China
- France
- Germany
- Italy
- Japan
- Republic of Korea
- Spain
- Sweden
- Switzerland
- Taiwan
- United Kingdom
- United States

### Participants: 106

#### Research Facilities 38

<table>
<thead>
<tr>
<th>Facility Name</th>
<th>Institution/Location</th>
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<tbody>
<tr>
<td>Accelerator Engineering Corporation</td>
<td>Jefferson Lab</td>
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<tr>
<td>Alba Synchrotron Facility</td>
<td>KEK</td>
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<td>ANL</td>
<td>Korea Atomic Energy Research Institute</td>
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<td>Canadian Light Source</td>
<td>National Institute of Radiological Sciences, Japan</td>
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<td>DESY</td>
<td>Research Center for Electron Photon Science, Tohoku University</td>
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<td>The Svedberg Laboratory</td>
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<td>KEK</td>
<td>TRIUMF</td>
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“It’s a Workshop, Not a Conference!”

Share information, participate
- questions, answers, successes, failures
- nearly every participating lab contributed

Broad range of topics
- that is the nature of accelerator operations

Variety of communication methods
- Prepared talks
- Posters
- Open discussions
- Tours
- Keynote Speaker
- Discussions during the breaks, meals
WAO 2012 Summary

Intro to several facilities – How We Do Business
- Accelerator details, Organization, Scheduling staff

Developing Staff
- Training, Retention, Advancement
- Formal conduct of Ops, Structured training, & Skill Management
  vs. Informal On-the-Job training
- Additional responsibilities
- Supplementary projects, “2nd jobs”

Safety Systems, Tools, Culture
Disaster recovery, lessons learned
- prepare your Operators with guidance & tools to deal with the unexpected
WAO 2012 Summary

Optimizing group reaction to changing circumstances
Operations has key role in efficient diagnostic development
  - Ops/Controls collaboration
  - Ops creation of Intuitive GUI or HMI
Automation where possible
  - but ensure understanding of what’s underneath
Special Challenges
  - unique systems, hazards, configurations
Tools for Reliability, Availability tracking, Communication
  - Commercial software (BlockSIM, Stockbook)
  - sharing software between labs (eg. logbooks)
  - UPS power feed ‘flywheel’ system
Sleep Research
- physiological responses
- sleep disorders
- simple measures (light exposure, sleeping environment)
- Slides of the talk will be posted on the WAO website
- Further Questions for Dr. Kushida can be emailed to WAO2012.slac.lbnl@gmail.com
Posters - detailed solutions to several problems

- water leaks, instrumentation, web access to controls, standards, etc.

Poster authors: send poster pdf’s to Eiichi. We’ll get them on WAO2012 website.

Discussions
Balance rigid procedures & freedom* to explore (& fail)

*within limits/constraints

Control Room summary & brainstorming

(temp control, longer range KVM devices, Access control)

Ideas for Future WAO sessions
Let the Program Committee know if you’re interested in hosting a future WAO.
WAO 2012 Program Committee thanks you for your participation!

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