

**SHUG Executive Committee Minutes**  
**Teleconference held March 3, 2009**

Attendees: Crawford, Lee, Lind, Meilleur, Perez-Salas, Stone, Woodward, Wilson, Zaliznyak, Ekkebus, Herwig, Johnson, Smith.

Minutes Submitted to Al Ekkebus and Mike Crawford March 3, 2009 by M. B. Stone.

Minutes Resubmitted with corrections to Al Ekkebus and Mike Crawford March 4, 2009 by M. B. Stone.

I. Introductions

II. Recording Secretary nominated – Matthew Stone

III. Election of vice chair

- email will be sent out by chair to conduct vote electronically.
- Brief summary of vice chair responsibilities
  - stands in for chair when needed
  - term of 1.5 years and then becomes chair for 1.5 years
- Brief summary of chair responsibilities
  - run teleconferences
  - organize SHUG activities
  - additional planning
  - representing SHUG at committees and reviews
  - NUFO representative responsibilities (National User Facility Organization [www.nufo.org](http://www.nufo.org))

IV. Frequency and scheduling of teleconferences

- First Tuesday of every month at 1PM . If unable to attend, please email chair.

V. NUFO meeting at Argonne. (see website [www.nufo.org](http://www.nufo.org))

- June 11 and 12
- Ursula will check schedule to see if she can attend

VI. ICNS

- SHUG session discussed.
- Executive committee will meet with NSSD management and ORNL User office.
- Al Ekkebus will identify time-slot for meeting to be held

VII. DOE BES review of HFIR and SNS

- This is the 3 year review of the neutron facilities
- Lujan has already had their review.
- ORNL is next from Tuesday March 24 to Friday March 27.
- DOE reviewing the operations, science, plans, cost and user experience at the facilities.

- Tuesday March 24, SHUG executive committee invited for discussion with the review committee.
- BES reviewers likely looking for opinions and comments of neutron scattering user community.
- Group invitation to be sent by email to executive committee by the NSSD office.
- Those not able to attend may also participate via teleconference.

## VIII. Goals of the SHUG in 2009

### A. Expand neutron scattering user community

#### 1. Industry

- Not many proposals at SNS and HFIR from industry.
- HFIR residual stress does have some industry proposals
- Industry users under general user program have no cost, but if proprietary research will incur a charge. This avenue has not yet been used in the NSSD.
- ILL posts 25% industry users (although perhaps this is just one beam line)
- ILL has portion of website just for industry users.
- Perhaps have a portion of the SHUG fall meeting address how to increase industry users
- Potential instruments – Residual stress, SANS, powder diffraction, Single crystal diffraction, reflectometry.
- Can ORNL join the APS industry group (Forum on Industrial and Applied Physics)?
- Perhaps ORNL can host industrial and applied physics meetings?

#### 2. Energy

- Expand neutron community by introducing neutron techniques to researchers looking at energy storage (for example, hydrogen storage materials, batteries, fuel cells), energy conservation, alternative energy
- Both in the academic and industrial user communities.

#### 3. Chemistry

- Topics such as molecular spectroscopy (using vibrational and quasielastic neutron scattering), neutron powder diffraction and solid state chemistry, catalysis, polymers, nanocomposites, trace element analysis

#### 4. Biology

- ILL has conferences on neutrons in biology

### B. Increase interaction between NSSA and the SHUG.

- NSSA executive committee minutes are available each month, ask Mike for minutes if you would like them
- SHUG can participate with the NSSA by suggesting agenda items
- Neutron user group chairs participate in NSSA executive committee teleconferences every six months.

## IX. Recent and Upcoming events

### A. Recent proposal round completed at SNS/HFIR

- ARCS and SANS instruments oversubscribed by factor of 4.
- ~2/3 of proposals assigned time or given standby status
- ~1/3 of proposals rejected
- 300 total proposals

### B. SNS target lifetime

- Still using first target
- Will run to next shutdown, and change out target then, OR will change out target earlier if erosion detected.

### C. Neutron and X-ray School

- Applications due March 7, 2009
- Comment was made to expand this school for post-docs, industry, professors.
- Last year had 160 applicants, with 46 accepted attendees.
- Also have focused schools or workshops concentrating on particular techniques (SANS, diffraction, inelastic, etc)

### D. ICNS, 650 submitted abstracts to date.

## X. Future Discussions

### A. Expanding neutron school

### B. How to expand the neutron community