



SURA Jefferson Lab Committee report

June Matthews

SURA Board of Trustees meeting

Nov. 10, 2006

Agenda (Tab 5)

- SURA President's report (J. Draayer)
- **SURA → JSA Transition (J. Matthews and S. Wallace)**
- JLab Director's report (C. Leemann)
- User Group Chair's report (R. Gilman)
- SURA staff report (H. Loweth and G. Plummer)

JLab Director's report (C. Leemann)

- Assessment of Lab performance
 - PEMP (performance evaluation management plan): new tool for evaluation by DOE
 - JLab gets high marks (A/A-)
 - Series of successful major reviews, e.g. S&T Review – Findings:
 - Lab strongly commended for securing CD-1 approval for 12 GeV upgrade project
 - Maintained high productivity while recompeting the M&O contract with a reduced budget
 - Quality and significance of research program outstanding
 - Theory group continues to demonstrate strong leadership
 - Accelerator operations team congratulated for high performance under severe budget constraints
- 12 GeV Project on track for timely CD-2, CD-3
- Safety: JLab leadership is committed to meeting very challenging DOE goals.
 - Safety strategy developed; implementation in full swing
 - By end of FY06, there had been no injuries under JSA management
 - One minor injury (sprained ankle) on Nov. 3

User Group Chair's report (R. Gilman)

- Users are happy 95% of the time
 - "Beam time is the key to happiness!"
 - 3 halls running well
 - ~1000 users on site each year
 - Transition to JSA management has elicited largely positive comments
- Concerns:
 - "Tension" between running experiments at 6 GeV and preparing for 12 GeV
 - Users "in principle" realize that some approved 6 GeV experiments will never run
 - Limited budgets/personnel lead to lack of design and engineering support for (scheduled) 6 GeV experiments
 - Lab management seems focused more on administration than on science
 - JLab physics community (25-30% of US Nuclear Physics Community) appears to be under-represented in
 - APS Division of Nuclear Physics leadership
 - DOE-NSF Nuclear Science Advisory Committee (initiating 2007 Long Range Planning exercise)
- Residence facility
 - Users are very happy with the facility, consider it a valuable resource, the preferred place to stay
 - Don't see any need for drastic changes
 - Computers in rooms not needed
 - Some concern about rate increases (but still a "bargain")

SURA staff report (H. Loweth and G. Plummer)

- Ongoing initiatives (Tab 9)
 - Although the procedure for administering the JSA Initiatives Fund (Tab 7) is not yet in place, the Committee recommended that the existing initiatives be continued for this year, in particular:
 - JSA [formerly SURA] Graduate Fellowships
 - JLab Graduate Student Thesis Prize
 - JLab Poster Competition
 - Nathan Isgur Senior Postdoctoral Fellowship
 - Sabbatical/Research Leave Support
 - Next year, these initiatives may be re-evaluated (see discussion of Programs Committee)
- The committee recommended that two proposals for support from the Initiatives Fund for \$5K each (Tab 7, after yellow sheet) be funded
- Residence facility – Tab 8

SURA → JSA Transition (J. Matthews and S. Wallace)

- Jefferson Lab Committee is one of the standing committees of SURA
- Any SURA institution may appoint a person to be a member of the JLab Committee
 - Attendees at yesterday's meeting included 5 SURA Trustees and 7 non-trustees
 - We would like to encourage all SURA institutions with involvement or interest in JLab programs to appoint a person to this Committee (perhaps 25 members?)
 - With subcommittee structure (proposed in 2004 but put "on hold" during recompetition process), there is a mechanism and an opportunity for broad participation in Committee activities
- How would this extended committee function within the JSA governance scheme?

JSA Committees

- There are two committees of JSA that have responsibilities for the scientific program at JLab
 - **Science Council** (T. Appelquist, Chair)
 - **Programs Committee** (J. Matthews, Chair; S. Wallace, 2007 Chair-nominee – **Chair of SURA JLab Committee**)
- Each Chair is a member of the JSA Board of Directors
- Charter of **Science Council** was approved at the last (Oct. 4, 2006) JSA Board meeting
- Charter of **Programs Committee** (Tab 6) was not approved.
 - “monitoring scientific initiatives...” not appropriate role for this committee, especially since this is also in Science Council charter
 - Language regarding “Steering Group of the SURA Jefferson [Lab] Committee” was confusing to some JSA Board members
- **Broader question discussed at yesterday’s meeting: should the SURA JLab Committee “morph into” the JSA Programs Committee??**

Key elements of Science Council Charter

○ Responsibilities

- The Council will advise the Board and the JLab Director on all matters relating to the scientific mission of the Lab, including:
 - long-range planning process and efforts, including continuous review of the Lab's near-term goals, in support of the Lab's scientific programs and operations;
 - monitoring of the Lab's performance in accomplishing its scientific mission; and
 - commissioning of periodic and/or ad hoc independent scientific peer reviews or study panels.
- The Council will provide advice on effective relations in support of JLab and its scientific programs, and on promoting leadership from the JLab user community in the national and international nuclear physics and scientific communities.

○ Membership

- In addition to the Chair, membership of the Council will include the chief executive of SURA, a former senior government official or former director of another government laboratory, the chair of the Programs Committee, up to eight additional at-large scientists drawn from the national and international scientific community, and the Laboratory Director (non-voting). The JLab Chief Scientist will serve as a resource to the Council.

Proposed elements of Programs Committee Charter

○ Responsibilities

- Administer the **JSA Initiatives Fund** (see Tab 7)
 - Evaluate existing SURA programs for continuing relevance and effectiveness
 - JLab graduate student fellowships
 - JLab Thesis Prize
 - Nathan Isgur Senior Postdoctoral Fellowship
 - Faculty sabbatical support program
 - Distinguished Faculty Lecturer/Graduate Student Education Program (not yet implemented)
 - Honors and Awards Program
 - Recommend new initiatives to enhance the Lab's educational and outreach programs
 - Receive and evaluate proposals for support of ad hoc activities (e.g. workshops)
- Foster relations with the users and user universities
 - Advise SURA on operation of and improvements to the Residence Facility
- Monitor the Lab's use of non-DOE support
 - Funds provided by the State of Virginia and programs supported by these funds
- Assess JLab technology transfer and commercialization initiatives
 - Advise the Board on the viability of these initiatives, intellectual property issues, etc.

○ Membership

- In addition to the Chair, membership of the Committee will include the chief executive of SURA, the past chair of the JLab Users Group, up to six (?) additional members, and the Laboratory Director (non-voting). The JLab Associate Director for Experimental Nuclear Physics, other JLab Associate Directors as appropriate, and the chair of the Users Group will serve as resources to the Committee.



Important for both committees...

- **(Science Council)** The work and activities of the Science Council will be supported by a professional staff member whose duties and responsibilities will include participation in all scientific reviews of the Lab, Program Advisory Committee meetings, and meetings of the JLab Users Group.
- **(Programs Committee)** The work and activities of the Programs Committee will be supported by a professional staff member whose duties and responsibilities will include coordination of all JSA Board-approved programs and initiatives.

Structure and operation of JSA Programs Committee

○ Meetings

- The Committee will meet (at least) twice a year
- Additional meetings as needed will be called by the Chair

○ Membership

- The Chair of the JSA Programs Committee will also chair the SURA JLab Committee.
- In addition to the Chair, membership of the Committee will include the chief executive of SURA, the past chair of the JLab Users Group, up to six (?) additional members, and the Laboratory Director (non-voting).
 - Up to four (?) of the “additional members” are to be appointed by SURA, and CSC may appoint up to two.
- The SURA appointees will be selected [by a process yet to be determined] from the membership of the SURA JLab Committee
- Each of these people will have primary responsibility for one of the activities of the Programs Committee, and will chair a subcommittee (drawn from the membership of the SURA JLab Committee) to assist him/her in this work.

○ Operation

- Recommendations (e.g., on graduate fellowship awards) will originate in the subcommittee, be brought to the SURA JLab Committee for discussion and decision, be carried forward by the sub-committee chair [JSA Programs Committee member] to the JSA Programs Committee.
- The Chair of the JSA Programs Committee will bring the recommendations to the JSA Board of Directors for approval.

Summary recommendations regarding the SURA JLab Committee in the “JSA era”

- We believe that the JLab Committee, as a standing committee of SURA, has great value in its broad outreach to SURA and non-SURA institutions associated with JLab.
- We believe that this broad base of talent should be drawn upon and fully utilized in the JSA governance of JLab.
- The SURA JLab Committee cannot “become” the JSA Programs Committee, as the two are of incommensurate size.
- We recommend that
 - the SURA JLab Committee be retained,
 - the subcommittee structure which was approved at the Spring, 2004 Board of Trustees meeting be implemented,
 - the chairs of the subcommittees – comprising the leadership of the JLab Committee – be nominated to JSA as the SURA appointees to the JSA Programs Committee,
 - the Chair of the SURA JLab Committee serve as the Chair of the JSA Programs Committee
- Although in principle one wants to avoid a proliferation of committees, we feel that both of these committees are needed and that they should exist as separate entities.