LONI Institute: Advancing Biology, Materials, and Computational Science for Research, Education, and Economic Development

Leadership Committee Meeting
September 13, 2007

Edward Seidel

Director, Center for Computation & Technology, LSU; LONI
Chief Scientist

On behalf of LONI, LSU, LA Tech, Southern University,
Tulane, UL-Lafayette, UNO, LA Community Colleges

Announcements

- TeraGrid Award

- Web site -- www.institute.loni.org

- Manager status

Proposed Management

- Leadership Committee (LC)
  - PI, University Admin PIs, LONI Executive Director
  - Meet in person every 3 months
  - Staffing, strategic directions, inter-institutional alignment
  - Recommendations on planning, resource allocation, economic development
- Scientific Committee (SC)
  - Science/CS PI's + Katz lead scientific agenda
  - Meet in person every 6 months, via video as needed
  - Work with LC on procedures for student, project selection, training, etc
  - Discipline subgroups may be needed, e.g., Digital Arts (Steve Beck), CS (Gabrielle Allen), etc…

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Projects, students, etc

- ## Students:
  - 1 year each first hires; 2 years later
  - Basis: excellence and suitability for placement in appropriate groups
- ## Projects: Committee (led by Dan)
  - Excellence, potential to utilize LONI, involvement in existing LI projects, relevance to corporate partners, likelihood of federal funding, use of national resources, external resources brought to project
  - 25% reserved for industrial partner projects

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Procedures

Taking Charge of Subtasks

- Computational science projects
- Working with LONI allocations
- Economic development
- Milestone tracking
- Training and workshops

Key Budget Items

- 2 faculty at each site
  - "almost identical"
- 1 computational scientist at each site
  - Identical
- Grad student support at each site
  - Identical
- Manager at LSU
- LONI Institute Funds
  - 15K/yr travel, 20K/yr general, 5K in year 1 "printing"

Supplement Funds

- How to spend supplement funds?
- Who spends them?
- Everyone should get some funding

Training

- Kathy Traxler e-mail re training through LSU

- Possible workshops:
  - Computational methods (UNO or LA Tech?)
  - Computational biology (ULL or LSU BASC?)
  - Cybertools
  - How to use HD technology

Advisory Boards

- Meet once per year
    - Computational Science/Bio/Materials/Other Applications
    - Economic Development
    - Possible names:
        - Suzy Tichenor, Mary Wheeler, Jack Dongarra, Larry Smarr, Fran Berman, Rick Stevens, Thomas West, Horst Simon
        - Ravi Arimilli (IBM), Javad Boroumand (Cisco), Claude Baudoin (Schlumberger), Steven Wheat (Intel)
        - Local: Chris Magnum (CenturyTel VP, Monroe), Craig Spohn (Praeses Corp., Shreveport), Tom Klei (LSU Boyd Professor)
        - Joel Trammel (NetQoS CEO, Austin)
        - Bio & Materials: Donald G. Truhlar, University of Minnesota
    - Decision on who to invite

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Hiring -- Progress

- **Graduate Student Fellows**
  - Ads distributed on individual campuses (?)
  - Applications being received at manager@institute.loni.org
  - Selection committee to meet end of September

Hiring -- Progress

- ## Computational scientists
  - Ads in *The Advocate, HPC Wire, Grid Today,* on LSU, CCT, and LI Web sites; should also send to colleagues

  - Applications being received by HR contacts at individual universities

  - Selection committee to meet end of September/early October

Hiring -- Progress

- **Faculty**
  - Ad being developed

- **Economic development officer**

Milestones

- Use grant number on all publications (see Web site); send copies to manager to post to Web site

- Tracking of training by LSU automatic

- Metrics are on Web site (www.institute.org/metrics.php)

- Progress page on Web site--but LI collaborators must send information to manager to be posted

- Preprint and technical report series--use as template? http://www.cct.lsu.edu/CCT-TR/

All Hands Meetings

- Create a real LONI community of researchers, staff, students, companies, etc

- 2x per year
  - Projects presented
  - Proposal opportunities suggested
  - Feedback to LONI staff

- Kickoff meeting in December, after graduate students & computational scientists on board?

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Council on Competitiveness

Gregory Speyrer and Suzy Tichenor have talked

and will continue to work together.

Public Relations

- Sunde & Ucan working on LI documentary for SC '07--need footage of university supercomputers, research, etc. for background

- Sunde is calling meeting of all PR contacts--suggestions for discussion?

- Developing template for LI PowerPoint presentations

- Sunde has sent press release to *The Chronicle of Higher Education*

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Web Site

- www.institute.loni.org

- Suggestions about look?

- Need help with content

- Links to homepages and photos are being added

- Send news to debra@cct.lsu.edu or ksunde@cct.lsu.edu

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