

**Supercomputing Challenge  
Board of Directors Meeting November 8, 2011  
New Mexico Tech, Socorro**

**Minutes**

10:39 AM **Action:** 1. Call to order by President Irene Lee

10:40 AM **Action:** 2. Quorum Irene Lee

Board Members Present:

Ed Angel	Skype_____
Bill Blackler	Yes_____
Bob Bolz	Yes_____
Tom Bowles	No_____
Ron Davis	Phone_____
Celia Einhorn	Yes_____
Betsy Frederick	Skype_____
Tony Giancola	Skype_____
Stephen Guerin	Skype/phone_____
David Kratzer	Yes_____
Irene Lee	Yes_____
Lorie Liebrock	Yes_____
Debra Loftin	No_____
Richard Oliver	Phone_____
Bob Robey	Skype_____
David Rogers	Phone_____
Tim Thomas	Skype_____

Others Present:

Nico Marrero, Ramesh Shakamuri, Creighton Edington,  
Megan McElroy, Melissa Jarmillo-Fleming

---

10:41 AM **Action:** 3. Approval of Agenda Irene Lee  
Motion by: Ms. Einhorn \_\_\_\_\_  
Seconded by: Dr. Liebrock \_\_\_\_\_  
Vote: For: All\_\_\_ Against: \_\_\_\_\_

10:42 AM **Action:** 4. Minutes of Previous Meeting David Kratzer  
Motion by: Mr. Blackler \_\_\_\_\_  
Seconded by: Ms. Frederick \_\_\_\_\_  
Vote: For: All\_\_\_ Against: \_\_\_\_\_

10:44 AM **Information:** 5. Treasurer's Report

Bill Blackler/Betsy Frederick

Checking account balance is \$39,998.75 in checking, \$108,307 in CDs. We approved the budget at the last meeting but didn't have a breakdown of how those funds will be distributed. The president will review them and we'll send them out to the board. Kickoff Conference costs included hotel \$22K, \$7K for t-shirts and bags, Saturday lunch and room expenses and NMT bags were paid for by NM Tech, Sat dinner and Sunday lunch \$10K from LANS, \$550 for Friday night dinner LANS money, \$3-4K for jump drives, misc treats. NM Tech paid for their Cadre. Other folks need to submit In Kind hours. Santa Fe Mini Kickoff cost \$1,500 for lunch and jump drives. It was sponsored by Ed Angel and Tony Giancola and Queforma. The Summer Roundups were paid for by Innovate Educate, EPSCoR and the Challenge. Approximately 100 students participated and they cost about \$18K (\$6K from the Challenge). They were effective in the southern hub, not so much in Espanola and Las Vegas. Might not be strategic use of our money. Having everyone all together for the full Kickoff is the way to go. There is lots of energy there and teachers and students get to meet each other and get reacquainted.

Motion by: Mr. Kratzer \_\_\_\_\_  
Seconded by: Dr. Liebrock \_\_\_\_\_  
Vote: For: All \_\_\_ Against: \_\_\_\_\_

10:59 AM **Information:** 6. Recent Activity and News

- A. CSSSA conference (Computational Social Science Society of America Annual Conference)  
Good relationships developed
- B. Rep. Ben Ray Lujan Jr. STEM conference  
Ms. Lee attended, get programs connected.
- C. CE21 not funded  
Good feedback, strengthen it with explicit school district connections. Need to focus on extensions.
- D. SF Complex news
- E. NMTIE conference  
Met several familiar faces and several new contacts were made with hopes to have new schools participate in the future.
- F. NMTC conference  
We will try to contact the women winners. One parent from Roosevelt MS wants to get a GUTS club going.
- G. Visit to NMSU  
Ms. Lee met with the Young Women in Computing group, and the EPSCoR team there. LCPS associate superintendent wants CS in 6<sup>th</sup>-12<sup>th</sup> grades all year long. They want us to train their (26) teachers in next year's STI.
- H. Mini-KO at SFCC  
About 32 students and parents participated, and eight instructors.
- I. October Kickoff at NM Tech  
We want to come back to Tech next year. Need to have ipad computer labs so that we don't need to hold any classes off site. Saturday evening activities went well but we'll coordinate a little better. We'll try again to record some classes in the Distance Education classroom. Next year's Friday night staff dinner will be in the cafeteria instead of at K-Bobs. We need to advertize electives ahead of time and not sign up on the spot. Distributing schedules could be done a little better. We'll do a site visit in late August or early September to determine which classes would work in which rooms. Meet the Scientist sessions went well in the Fidel banquet facility. Thanks to Melrose for providing transportation to several schools. Might need to send a special note to teachers bringing young students (4<sup>th</sup> and 5<sup>th</sup> graders) making sure they need to be responsible for their students and how they behave. Next year's theme will be energy grids.

11:41 AM **Information:** 7. Upcoming Activities

- A. Hopper conference  
Ms. Frederick will represent us there, in Portland.
- B. SC11 conference – CT panel  
Mr. Kratzer, Ms. Lee, and Dr. Liebrock are on a panel. Creighton Edington and David Kratzer are part of the Education Program. Mr. Bolz, Dr. Bowles, Mr. Robey will also attend the event.
- C. Interim reports

105 project proposals have been submitted and feedback is being given. Interim reports are due Dec. 10<sup>th</sup>. NM Tech cadre will be going out to visit teams they support. Neale Pickett will train the cadre in a capture the flag computer security activity that they could do with the teams.

- D. NM EPSCoR planning meeting November 21<sup>st</sup>.  
Ms. Einhorn will attend.

12:17 PM **Information:** 8. Board Member Issues, resignations, additions Irene Lee

- A. Desired composition of the board  
Need more females and underrepresented group
- B. Invitations to new potential board members  
Ms. Lee and Mr. Blackler will invite Janeen Cook from NMSU, Janeen Anderson from Acaji, Mary Jo Daniel from UNM and EPSCoR, and Joaquin Roibal student from NM Tech, and Kurt Steinhaus or Carole Rutten from LANL, and Liz Shipley from Intel.
- C. Ask for resignations for non-attending members

There was a motion to accept Debra Loftin's resignation to the board.

Motion by: Mr. Kratzer \_\_\_\_\_

Seconded by: Ms. Lee \_\_\_\_\_

Vote: For: All\_\_\_ Against: \_\_\_\_\_

12:35 PM **Information:** 9. Personnel issues

- A. Contracts for program manager(s) with availability of funding clause  
Ms. Lee will distribute a contract that has been used with GUTS.
- B. Facilitator issues (discourse)  
Should facilitators be trained in teaching skills? How to best utilize those who want to teach?
- C. Cadre development  
Funding from EPSCoR provides the NM Tech cadre. There are five at NMSU and five at UNM, and 16 from NM Tech

12:46 PM **Information:** 10. Strategic Planning

- A. Activities of the organization  
Ms. Lee has met with several people to learn about the activities.
- B. Business Plan
- C. Social networking and/or GitHub for project sharing  
GUTS y Girls has a private social network. The issue is with under age 13 students. They use Social Engine. We'll look into getting involved with Git code repositories, and GitHub.
- D. New partners and collaborations  
Ms. Lee has been contacted by Wolfram Alpha who would like to help out with GUTS and the Challenge. Maybe how to do research could include Alpha and we could teach it at STI.
- E. Challenge's Vision and Mission statements  
The Strategic committed meeting on Sept 15<sup>th</sup> recommended slight changes to the statements. We'll send those out for further discussion.

1:00 PM **Information:** 11. Fundraising Committee Report

- A. New LANS money?  
Mr. Kratzer has heard that the LANL Community Program Office has been working with Los Alamos National Security to secure more funding for the Challenge.
- B. CE21 not funded – resubmission in April.
- C. Grant proposals – Google RISE, IWG (Innovation Working Group)  
Ms. Einhorn will work on Google RISE grant proposal. Need to get teachers in training to know about the Challenge, pre-service teachers. Look into getting interns placed in local companies who then might be supporters of the Challenge.
- D. Corporate / industry appeals  
Hope that we can get more appealing to them, farm leagues developing the pipeline for future students/employees.
- E. EPSCoR proposal for next round.

Dr. Liebrock will be the lead PI on the Cyber Learning for the EPSCoR intuitive. The Challenge and GUTS should have a wish list prepared for the meeting on the 21<sup>st</sup>.

1:16 PM **Information:** 12. Curriculum development

Celia Einhorn

- A. EPSCoR units  
There is a PO now for doing this.
- B. Mini-KO organization of tracks  
Same instructors stayed with the same students the whole day, teaching all the topics. Maybe have a sample project that each track goes through.
- C. Fit within Pathways (CSTA, LCPS)  
CSTA is coming out with new CS curriculum. We need see how it compares to what we do.

1:30 PM **Information:** 13. Other topics

- A. Support for teams  
Cadre will be going out to visit teams. JP Gonzales and Ms. Einhorn/Ms. Meyer will make visits to new schools.
- B. Community issues (G and Talaya)  
Need to work on issues as they come up.
- C. Computational science issue  
Need to have professional development for facilitators so they are exposed to the whole picture.
- D. Recruitment of teachers for STI  
Ask teachers or others we know, for recommendations for other teachers to invite to STI. Have slots for pre-service teachers.
- E. Collaboration with districts.
- F. Girls and competition  
Ms. Lee notes that some girls in GUTS y Girls are not interested in competition.
- G. Thank yous to:  
Melissa Jaramillo-Fleming:  
Thank you very much to NM Tech for hosting the Supercomputing Challenge Kickoff Conference and we would like to return next year. NM Tech cadre should help recruit future students to NM Tech. Next year we will limit enrollment to 350 students and 70 teachers (and expect to have 80 staff helping). October 13<sup>th</sup> and 14<sup>th</sup> are the suggested dates.  
Scientists have been sent thanks and NM Tech folks have been thanked.
- H. Three areas for growth: SNS, project sharing via GitHub, Careers/resources

1:51 PM

14. Adjourn

Dr. Liebrock moved we adjourn. Thanks to New Mexico Tech for hosting today.

Next meeting will be on 10 am Tuesday, February 7th, in Albuquerque.

President \_\_\_\_\_

Secretary \_\_\_\_\_