

Supercomputing Challenge
Board of Directors Meeting January 14, 2010
Abba Center for Excellence, 725 6th Street, NW, Albuquerque, NM 87102

Minutes

10:00AM **Action:** 1. Call to Order by President Bill Blackler

10:01AM **Action** 2. Quorum Bill Blackler

Board Members Present:

Ed Angel	Yes, via phone
Bill Blackler	Yes_____
Bob Bolz	Yes_____
Shaun Cooper	_____
Ron Davis	Yes_____
Celia Einhorn	Yes_____
Betsy Frederick	Yes_____
Tony Giancola	Yes_____
Stephen Guerin	Yes, via phone
Marianne Granoff	Yes_____
David Kratzer	Yes_____
Irene Lee	Yes_____
Lorie Liebrock	Yes_____
Debra Loftin	_____
James Peery	_____
Bob Robey	_____
Mike Topliff	Yes, via phone
Victor Kuhns	Yes_____

Others Present:

Nico Marrero, NM Tech_____

Kathy Andreson, Synergy, via phone_____

10:03 AM **Information** 3. Introduction of Board Members Bill Blackler

10:07AM **Action:** 4. Approval of Agenda Bill Blackler

Motion by: Ms. Frederick_____

Seconded by: Dr. Liebrock_____

Vote: For: All Against: _____

10:08AM **Action:** 4. Minutes of Previous Meeting David Kratzer

Motion by: Dr. Liebrock_____

Seconded by: Ms. Lee_____

Vote: For: All Against: _____

10:15 AM **Action:**

5. Treasurers Report

Mike Topliff

Motion by: Mr. Kratzer _____
Seconded by: Ms. Einhorn _____
Vote: For: All Against: _____

We have \$37,863 left in the LFC grant. We have \$34,963 left in the PED grant.

Ms. Einhorn working with Embassy Suites and Hilton for bids to justify the \$18K charge from the Sacramento Methodist Assembly for the October Kickoff. We should not pay sales tax and any expense over \$5K needs three bids. LFC grant was reduced 3.5%, probably be reduced again. We assumed a 5% reduction in the current budget.

Checkbook balance is \$64,451.45. About \$103K in a CD and \$10K of that is allocated to a scholarship.

10:20 AM **Discussion**

6. Kickoff

David Kratzer

2009 Kickoff went well at the Sacrament Methodist Assembly in Sacramento, NM (33 miles south of Cloudcroft). Approximately 45 staff members, 240 students and 47 teachers attended. (Several students and teachers canceled during the last week before the Kickoff. 366 students have registered to participate in the 2009-2010 Challenge, and 58 teachers.) 130 teams worth of students registered, but by the time the Kickoff Conference was over, only 98 teams had submitted Project Proposals. 87 teams have submitted Interim report, which is about 20% better than the 2008-2009 Challenge.

Next year, Oct 16-17, 2010, the Kickoff will be at NM Tech in Socorro.

We plan to have distance delivery of some classes. The President of NM Tech will welcome participants and NM Tech will cover one lunch. NM Tech will be a NM CAC gateway and we hope to be able to take advantage of that. NM Tech has 5 classrooms with 18 or more PCs, several other rooms with instructor machines and projection systems. One other room has 14 PCs but no instructor machine or overhead but we have several mobile projection systems

10:30 AM **Information**

7. Intel Parallel Programming Bootcamp

Celia Einhorn

Robert Chesebrough from Intel has material for a parallel programming class. He is willing to teach it this summer but wants to teach others to present it. Several Challenge instructors indicated interest and Dr. Liebrock and Nico will work on an MPI module. It is a three day workshop. This will be a very good collaboration.

10:40 AM **Discussion**

8. Project GUTS

Irene Lee

Currently has 30 clubs, <http://projectguts.org/?q=node/about>. Has college mentors, from the Challenge. Started a new club in the Chicago area this year. Next year is in question due to funding grants running out. Looking into funding for a program to get young girls interested in science. We have a lot of veterans returning to the state and probably have technology skills, could they be trained to support schools or clubs? GUTS might be able to merge with the Challenge and be a non-competitive strand. Probably need 60-100K to support that. There is a new DARPA grant that we need to look at. Look for local engineering companies that might be willing to support local clubs. There are 11 GUTS teachers that came out of last summer's teacher's institute. Might look at retiree groups, like Intel/LANL/Sandia retirees, AARP members, etc. as volunteers to support GUTS clubs and Challenge teams.

11:10 AM **Information**

9. NM Highlands/Gear-Up Collaborative

Celia Einhorn

Several of us met with Dr. J. David Olivas and Carla Romero from NM Highlands University who would like to promote instruction in math and computer science to potential students, who are currently coming

in with 3rd to 4th grade math abilities. Could we help them use GUTS to interest students? Look at groups that are already interested in helping/tutoring who want to work with the communities.

11:16 AM **Information** 10. Program Evaluation Betsy Frederick
Kathy Andreson will get us an electronic copy of a plan for evaluation of the Challenge.

11:19 AM **Information** 11. NMCAC/EPSCOR Grant Lorie Liebrock
Dr. Liebrock is no longer part of NMCAC, due to her new position as Department Chair of Computer Science at NM Tech. EPSCOR grant paperwork finally completed and there is \$15K for both GUTS and the Challenge for support of EPSCOR interests. Dr. Maryjo Daniel is now the associate director at EPSCOR in New Mexico. This is a three year grant. There is more money that can be spent for developing distance education courses.

11:27 AM **Information** 12. Advance Placement CS Class/Qwest Grant Betsy Frederick
Ms. Frederick wrote a proposal to Innovate-Educate to support the AP CS class that the Challenge has been pushing this year. Qwest provided money to Innovate-Educate and we were one of the recipients. The course might be offered through NM Tech in the future.

11:35 AM **Discussion** 13. Stuck in the Shallow End Bill Blackler
“Stuck” looks at three schools in the Los Angeles, California area and how computer science was or was not being taught. CS instruction in New Mexico is very similar. It has suggestions on how to get more underrepresented students into computer science. We would like to see a statewide conference on this topic and are meeting with different influential people to try to get the ball rolling. Need to get education committees involved from businesses and industries and legislature and education departments.

11:50 AM **Information** 14. Legislative Lobbying Bill Blackler
Nick Salazar has carried our appropriation bill the last few years but this year will be tough financially for the legislature. We need to ask for money again. Topics to support request would be integration of GUTS into the Challenge, working with Intel on the parallel programming bootcamp, the summer roundups, etc. We have a letter that Challenge teachers can slightly edit and send to their representatives. GUTS teachers could send letters saying this is what their GUTS students will be involved with in the coming years. Need to tell them the progress we have accomplished.

12:04 PM **Discussion** 15. Strategic Planning Bill Blackler
Highest priority now should be recruiting. Mr. Blackler would like permission to raise \$100K to fund Ms. Einhorn and Ms. Frederick at a full-time level so that they can help recruit. Everyone agreed this was a good idea. We need to publicize what the Challenge is doing to local companies, how we are interesting and educating New Mexico students. What skills to we want to teach? Dr. Angel is willing to develop digital media curriculum and entrepreneur Caroline Dennis of Wired Nation is willing to develop curriculum on cyber security. Georgia Tech has course work in media computation. We did submit a 13 page strategic plan last August to the LFC.

12:32 PM **Information** 16. Math and Science Day at the Legislature Betsy Frederick
The PED has asked the Challenge to organize the (third annual) Math and Science Day at the Legislature on February 10th. We will choose eleven other organizations to have display tables. Students (including GUTS and Challenge students) will be honored at a ceremony at 1:00.

12:43 PM **Information** 18. Project Evaluation Milestones David Kratzer

February Project Evaluations will be held at 10 different locations where students will have a half hour to present their projects to a small panel of judges. They get to come to a college campus, practice presenting their projects and get feedback and suggests on what to do during the last two months of the Challenge.

12:52 PM **Information** 19. 20th Birthday Celebration/Mini Challenges Celia Einhorn
Might do another cake or cookies at Math & Science Day at the Legislature. Had a mini challenge which had four participants and Cray is providing prizes. The next “mini Challenge” will be to rewrite a poorly written bibliography and the prizes will be Itunes gift cards.

1:01 PM **Action** 20. Adjourn

Thanks to Ron Davis and ABBA Technologies for hosting this meeting.

Mr. Kratzer moved we adjourn.

President _____

Secretary _____