

Supercomputing Challenge
Board of Directors Meeting April 9, 2009
Abba Center for Excellence, 725 6th Street, NW, Albuquerque, NM 87102

Meeting Minutes

10:09AM **Action:** 1. Call to Order by President Bill Blackler

10:09AM **Action** 2. Quorum Bill Blackler

Board Members Present:

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

Others Present:

Debra Loftin_____

Dr. Tim Thomas_____

10:10AM **Action:** 3. Approval of Agenda Bill Blackler

As amended.

Motion by: Ms. Frederick_____

Seconded by: Dr. Liebrock_____

Vote: For: All___ Against: _____

10:13AM **Action:** 4. Minutes of Previous Meeting David Kratzer

As amended.

Motion by: Mr. Giancola_____

Seconded by: Ms. Frederick_____

Vote: For: All___ Against: _____

10:15 AM **Action:** 5. Treasurers Report Betsy Frederick
We have \$207K in bank CDs. The checking account has about \$70K, much of which will go for Expo and Awards Ceremony expenses. \$30K in grant money still available at NM Tech for our use. \$50K is coming from LANL's CCS Division to be given out as scholarships. We received \$5K from Google RISE and \$2K Bigbyte. We don't know if we got any money from the legislature this year. HB 2 had \$55K earmarked for us and H 10 might have \$58.5K for us through the PED for Summer Teacher Institute

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

10:28 AM **Information** 6. Legislative Lobbying Bill Blackler
Rep. Nick Salazar submitted HB 679 for \$150K and it got past the finance committee, but it got tabled in another committee.

10:31AM **Action:** 7. Appointment of New Director - Debra Loftin Bill Blackler
Ms. Loftin currently teaches at Rio Rancho Mid-High and has sponsored Challenge teams since 1993 and was in the first Summer Teacher Institute in 1995. She feels that the Challenge is a great program for her students. She wants to help keep the program going in other schools as well. She values the professional development that she has gained through the Challenge.

Motion by: Mr. Kratzer _____
Seconded by: Dr. Liebrock _____
Vote: For: All ____ Against: _____

10:36 AM **Discussion** 8. Business Cards Bill Blackler
Mr. Blackler showed his "Challenge business cards".

10:40 AM **Discussion** 9. Expo Update David Kratzer
56 teams have submitted final reports and another five GUTS teams will present in Roundtables. There are 11 Finalist Judges and 27 Expo Judges. Teams will present their projects at the LANL Study Center and then they will go on tours of the Los Alamos National Laboratory.

10:55 AM **Discussion** 10. Summer Roundups Celia Einhorn
We asked Google RISE for \$15K and got \$5K which started us working on a week-long "Summer Round Up" the last week of June where we broadcast instruction from some location, maybe NM Tech. Each site will have a local coordinator and a Challenge resource person. We want teachers and student to be involved, students and teachers in the morning and just teachers in the afternoon. Teacher will get stipends, hosts will get stipends. We'll need more funds, but hope that the PED will support the Round Ups. We will encourage SRU teachers to participate in the two-week long Summer Teacher Institute at NM Tech July 19-31. Epidemiology will be the theme of the STI.

11:17 AM **Information** 11. "Broadening Participation in Computing" proposal Irene Lee
After attending the Richard Tapia Conference on Diversity in Computing, Ms. Lee is preparing a proposal to fund a program to promote stair step mentoring where students move from GUTS to the Challenge but gain leadership skills to give back to the class two years behind them. We would like to have scholarship winners mentor younger students or interact with elementary, mid or high school classes. Include offering dual-credit course with high schools and colleges. The proposal gets submitted in May and awarded in November.

11:37 AM **Information** 12. TIG Grant

Bob Bolz

TIG won a contract with Los Alamos National Laboratory and part of the profits need to go towards improving education in the counties around Los Alamos but the moneys might not be available until next fall. The money will come through the New Mexico Technology Council to computing clubs in Northern New Mexico. We should consider a parallel computing club over just buying hardware. Perhaps a dual-credit course with Northern New Mexico College would work. If one club would be GUTS oriented and one club would be high school oriented. It should be multi school, evening or Saturday, or on-line with face to face meetings at the Santa Fe Complex. If we work with NNMC, we might be able to get them to match the funds. Mr. Robey, Dr. Liebrock, Mr. Guerin, and Ms. Frederick will pursue this.

11:54 AM **Discussion** 13. Program Evaluation

Betsy Frederick

We have begun converting paper evaluation forms to electronic and are looking to implement the suggestions that Dr. Kaminsky made to the board last fall. Janet Penevolpe has come up with surveys on survey monkey to see if we can find out why teams do not complete the Challenge.

12:09 PM **Information** 14. Strategic Planning

Bill Blackler

The Broad stage starts at the academic skills of Science, Computing and Math and we want to fan out to Medicine, Visualization, Entertainment, Internet Commerce, Scientific Computing, Social Networks, and Security. Skill sets (21st Century Skills) programming, story development, visualization, simulation, modeling, database, research, critical thinking, software development techniques, teamwork, project management, communication, writing, presentation, data analysis, human computer interface, mentoring and community, ... We teach applications, real world skills, job skills. Aids are GUTS curriculum, exploring CS, AP CS A & AB classes, CS independent study. The next page includes the results of this discussion.

1:05 PM **Information** 13. Name Change

Betsy Frederick

The name is now just "Supercomputing Challenge".

1:06 PM **Information** 14. Kudos

NMCAC and Stephen Guerin received awards at the NM Technical Council meeting. We appreciate the contributions of Mike Topliff and Shaun Cooper recently. Thanks to Ron Davis and Abba Technologies for hosting the board meeting.

1:08 PM **Adjourn** 15. Adjourn

Dr. Liebrock moved we adjourn.

President _____

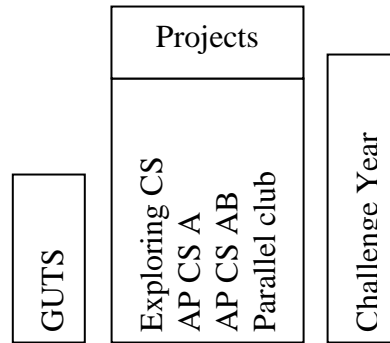
Secretary _____

Supercomputing Challenge

We want to create a Tufte style supergraphic of “Super” Computing – extending all aspects of computing – excellence in computing

Academic Programs

Science
Computing
Math



Broad Stage Bridge

visualization
programming
human computer interface
story development
simulation & modeling
database
software development
statistics
linear programming
parallelism

Applications

visualization
medicine
entertainment
energy
social networks
security
scientific computing
climate
water resources
arts & humanities

Cross Cutting Capabilities

teamwork – research – critical thinking – communication – writing – presentation – data analysis – performance –
mentoring & community - positive reinforcement – design – authentic assessment – project management

To do: work on what to do and how to have Supercomputing Challenge and Guts fill in the pipeline – what to teach, what skills to develop, what sequence, etc.

