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.

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

**Academic Programs**
- Science
- Computing
- Math

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<tr>
<th>Projects</th>
<th>Challenge Year</th>
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<td>Exploring CS AP CS A AP CS AB Parallel club</td>
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**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**

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.