

**CSU ISTeC IAC (Industrial Advisory Council)
Fall 2008 Meeting
Monday, November 10, 2008, 11 a.m. to 4 p.m.**

Hosted by Google at 2590 Pearl Street, Boulder (location and check-in details will be sent later)

Meeting Agenda

1. **Meeting Check-in** (11:00 – 11:15 a.m.)
2. **Lunch Distribution** (11:15 – 11:30 a.m.)
3. **Host Welcome** – Scott Green, Google (11:30 – 11:35 a.m.)
4. **Introduction of Attendees** – All (11:35 – 11:50 a.m.)
Who you are, what your company does, and what you do for your company.
5. **ISTeC Overview** – H.J. Siegel, ISTeC Director (11:50 – 12:05 p.m.)
List of the current activities; need suggestions from IAC about new ISTeC activities.
(10 minute presentation, 5 minutes for IAC suggestions)
6. **Updates on Activities Discussed at Previous IAC Meetings** (12:05 – 12:30 p.m.)
(each will be 5 minutes for presentation and discussion)
 - a. Systems Engineering Program – Tony Maciejewski, ECE Dept. Head
 - b. ISTeC Human Computer Systems Program – Lucy Troup, ISTeC RAC Co-Chair
 - c. ISTeC Planned People-Animals-Robots (PAR) Lab – Jerry Potter, ISTeC RAC Member
 - d. ISTeC Activities for Linking CSU to Grades 6-12 – Karen Kaminski, ISTeC EAC Member
 - e. ISTeC Fluency in Information Technology Study – Pete Seel, ISTeC EAC Member
7. **Host Member Presentation** – Scott Green, Google (12:30 – 12:50 p.m.)
Company overview of Google, focusing on Colorado operations.
(15 minute presentation, 5 minutes for questions)
8. **Break and Networking** – 20 minutes (12:50 – 1:10 p.m.)
9. **CSU Center for Bioinformatics** – Tom Holtzer, Center Director, and Andre Ptitsyn, Center Faculty Member (1:10 – 1:35 p.m.)
Center's mission, goals, facilities, outreach; need suggestions from IAC about future research directions and opportunities for outreach and tech transfer.
(15 minute presentation, 10 minutes for IAC suggestions)
10. **Biennial ISTeC “FutureVision” Symposium** – Pete Seel, ISTeC EAC Member
(1:35 – 1:50 p.m.)
Report on Fall 2007 symposium; request for suggestions from IAC for speakers and topics for Spring 2010 event.
(5 minute presentation, 10 minutes for IAC suggestions)
11. **“Coffee with CSU” Seminar Series** – Christos Papadopoulos, Professor, Computer Science Dept. (1:50 – 2:10 p.m.)
How to access new database to arrange speakers to come to your company site; need IAC suggestions for topics your company will be interested in hearing.
(10 minute presentation, 10 minutes for IAC suggestions)

12. **Annual ISTE C High School Day** – Michael De Miranda, Professor, School of Education (2:10 – 2:25 p.m.)
Report on Fall 2008 event; feedback from attending company representatives of what they liked and what needs change; suggestions from IAC about next High School Day.
(5 minute presentation, 10 minutes for IAC feedback and suggestions)
13. **Member Presentation** – Henry Dittmer, Avaya (2:25 - 2:45 p.m.)
Company overview of Avaya, focusing on Colorado operations.
(15 minute presentation, 5 minutes for questions)
14. **Break and Networking** – 20 minutes (2:45 – 3:05 p.m.)
15. **High Performance Computing (HPC) at CSU** (3:05 – 3:25 p.m.)
High performance computing (HPC) facilities and programming education at CSU, where we include in HPC: clusters, desktop grids, parallel machines, and distributed computing. This presentation will be followed by an industry panel on this topic.
 - a. Overview of current facilities – Pat Burns, CSU Vice President for Information Technology
 - b. Teaching the use of HPC resources – Wim Bohm, Professor, Computer Science
 - c. Results of CSU HPC survey and open forum – Ricky Kwok, ISTE C RAC Co-Chair(15 minute presentation, 5 minutes for IAC questions – followed by IAC HPC panel)
16. **Industry Panel:**
How Can CSU Help Your Company with High Performance Computing?
(3:25 – 3:55 p.m.)
Panel Chair: Jay Smith, DigitalGlobe
Panelists: Bruce Lenell, Northrop Grumman, and Ron Francis, IBM
Panel Questions:
 - a. Describe ways in which your company uses or could be using high-performance computing (HPC).
 - b. Do you see new ways in which HPC could benefit your company?
 - c. Does your company have staff that are adequately trained and educated in the use of HPC?
 - d. What do you want your new employees to know about using HPC systems?
 - e. Would you like to have people from your company register for or sit in on our courses on programming HPC systems?
 - f. Would your company be willing to pay for an in-house tutorial version of our HPC programming courses?
 - g. Does your company have adequate access to HPC resources, including computers, file storage, and advanced internet services?
 - h. Would your company benefit from an affinity group (managed by CSU) on HPC that might be created on the Front Range, that might focus on advanced HPC architectures, algorithms, and applications?(15 minutes for panelist presentations, 15 minutes for IAC discussion)
17. **Spring 2009 IAC Meeting Agenda Ideas** – H. J. Siegel, ISTE C Director (3:55 – 4:00 p.m.)
Suggestions for agenda items for our next ISTE C IAC meeting; request for host company.
(5 minutes)