

ISTeC IAC Fall 2006 Meeting Minutes

Wednesday, November 29, 2006

Hosted by ISTE C at the CSU Lory Student Center (Gray Rock room)
Meeting was from 11:30 noon to 4:45 p.m. – followed by an **optional appreciation dinner for IAC members** (hosted by ISTE C) at Jay's Bistro, in downtown Fort Collins.

[Link to Individual Presentations](#)

1. Lunch Discussions

a. Introduction of Attendees

- H.J. Siegel (ISTeC Director) introduced himself and thanked everyone for attending.
- All IAC (Industrial Advisory Council) members and CSU faculty went around the room and introduced themselves.

b. ISTE C High School Day 2006, Michael De Miranda, ISTE C EAC Co-Chair

- Michael DeMiranda thanked the corporate sponsors who supported ISTE C's High School Day.
- Slideshow presentation was shown to IAC, with highlights from High School Day.
- Goal was to bring the brightest high school students in Colorado and introduce them to IS&T related careers, contests, and educational opportunities. It also allowed them to connect with industry and created IS&T awareness.
- Hands-on activities, demos, and contests introduced high school students to CSU faculty and graduate students. Students also had the opportunity to interact with industry representatives and obtain information to how IS&T related degrees could be utilized. Contests were a big success at High School Day.
- Contests and demos were hosted by all 9 Colleges and Departments at CSU: Morgan Library, College of Agricultural Sciences, College of Applied Human Sciences, College of Business, College of Veterinary Medicine & Biomedical Sciences, College of Natural Resources, College of Engineering, College of Natural Sciences, and the College of Liberal Arts
- Information from CSU Admissions and IS&T programs were accessible to students during the Career/Education Fair held at lunch.
- Rod Bowman: the event was very beneficial to corporate participants
- Evaluation results (from student participants) will be available on the ISTE C website.
- IAC gave ideas for participation for "High School Day 2007." Industry representatives stated that their companies have recruiting programs that target high school students (Agilent Technologies, University of Denver College of Engineering, etc.)

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- c. **Plans for the Student IS&T Research Poster Contest**, Denis Dean, ISTE C RAC Co-Chair
- Denis Dean informed IAC members that they would be judging ISTE C's Student Research Poster Contest.
 - There were 3 groups of posters that were submitted: students from the School of Education, IS&T Graduates, and Undergraduates (Senior Design- Electrical & Computer Engineering)
 - All student entries were posted in the Lory Student Center North Ballroom, where they would be judged by the IAC (1st, 2nd, and 3rd place).
 - IAC members were informed about the judging criteria, which included technical clarity, innovativeness of research, quality of presentation, and breadth of research's impact. Judges would rate each poster on a scale of 1-10.
 - IAC members were given judging sheets and informed of last minutes changes to posters, participants, etc.

2. **Student IS&T Research Poster Contest**

Luncheon dessert with students in the Lory Student Center North Ballroom for "CSU Student IS&T Research Poster Contest," were judged by the IAC members, with awards provided by ISTE C. In addition, we asked IAC members if they can pick their favorite for their company and then display that student's poster in their company lobby for some period of time.

- Student presenters shared dessert with IAC members and CSU faculty while also being questioned about their research poster.
- Winners were announced by Denis Dean at the end of the meeting.
- Prizes for the contest included flash drives (with CSU logos) and certificates.

3. **Member Presentation** – Hitachi Data Systems, Steve Shattuck, presented a company overview, focusing on Colorado operations.

4. **Future Vision 2012 Conference** – Pete Seel, ISTE C EAC Co-Chair

Future Vision 2012 is an ISTE C industry/academic conference whose goal to inform our students about what the hot areas of information science and technology may be in 2012.

- IAC gave input about what topics and speakers for the opening plenary session, the concurrent breakout specialty sessions, and the keynote.
- Pete Seel distributed a handout for next year's Future Vision 2010,
- The goal of Future Vision is for CSU students (all levels) to attend. It gives them a glimpse into their world in 2012.

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- Suggestions from IAC:
 - Joan Mitchell (IBM) stated that we are shifting from “left brain” to “right brain” thinking and we need to explore what jobs and careers those will entail.
 - Darren Jeppson asked that we look at what the community will look like in the future.
 - Julie Jensen (Agilent Technologies) talked about biotechnology and how some companies are using compost materials.
 - Representatives from Hewlett Packard talked about renewable energy options that will be available.
 - Next Iteration of the Web 3.0: looking toward the future
 - Second life technology (internet communities)- creating new environments; changing demographics.

5. **CSU Dept. Overview – Statistics Department**, Jay Breidt, Statistics Department Chair

Overview of Statistics Department research and educational activities, with a focus on IS&T related areas.

- Presentation of the basic paradigm of statistics.
- Building mathematical models for real phenomena.
- Research in statistics can be applied to anything.
- Overview of key activities in the Statistics Department.
- IAC Suggestions: Statistics courses at CSU are viewed as difficult to apply to all majors. It is difficult for students to understand how it is relevant to their major. This is increasingly a problem that the Statistics Department faces. IAC suggested that students may benefit from an introduction/overview course prior to a Statistics course.

6. **Goals of CSU Vice President for Research**, Bill Farland, Vice President for Research

- Presentation of VPR office: vision, mission, and background
- Future goals: to develop creativity and innovation at the university.
- Multi-disciplinary research based on discipline expertise.
- Discussion of partnerships, global impact
- Discussion of challenges that research currently faces: staying competitive, addressing change (innovation, data handling), the nature of research, and measuring/demonstrating success.
- Bill Farland suggested contacting Mark Wdowek (Vice President of Technology Transfer- CSU). He has experience in dealing with issues regarding research and is a good resource for the IAC.
- IBM: mentioned that we need to address language barriers (translational communication) from discipline to consumer.

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7. **Member Presentation** – Lockheed Martin Space Systems, Ron Czajka
- Slideshow presentation: company overview, focusing on Colorado operations
 - Soci-political, economic, science, and exploration
 - 50-60% of employees will be retiring; the need for recruiting in this area is increasing (college recruiting)

8. **Industry Panel: Connecting CSU Faculty with Industry**, Chair: Joan Mitchell, IBM, Panelists: Rod Bowman (LSI Logic); Julie Jensen (Agilent Technologies); Henry Dittmer (Avaya).

Panel questions: How can the “Coffee with CSU” program for CSU faculty to give seminars at company sites be effectively implemented with your company? What are other ways in which CSU faculty can connect with your company in a way that is a win-win situation for the faculty member and your company?

- Joan Mitchell:
 - Part of value of Coffee with CSU is connecting people within the company who have similar interests
 - Serving food and refreshments makes a difference
 - Good to have faculty talk about their passion
 - Make industry problems known to academics
 - Get company people back for advanced degrees by meeting faculty who can help ease the transition.
- Rod Bowman:
 - Problem is time and information
 - Need to distribute information to more people at the plant
 - Thinks that an expertise database will help
 - Provide companies with posters to point data expertise web page
- Henry Dittmer:
 - What are the objectives? What are we trying to accomplish?
 - Sponsor research, knowledge transfer, target faculty or students
 - Need database
 - Way for industry to post questions
- Julie Jensen:
 - Benefits: technical training for company, and for CSU, exposure to cutting edge technology for industry
 - 2 types of talks: Need someone with specific knowledge for detailed technical presentation; and an overview of latest technology
 - How do we know who has that domain knowledge at CSU?
 - Agilent can sponsor research

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- General IAC comments:
 - Match time frames and timelines
 - Need person with passion on both sides (industry and CSU)
 - Poster: give CSU URL and local contact

9. **Tour of the CSU Main Computer Center**, Pat Burns, Vice President for Information Technology

- Pat Burns invited IAC members to take a tour (optional) of the CSU Main Computer Center after the meeting adjourned.

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CSU Attendees: Jay Breidt, Pat Burns, Denis Dean, Michael DeMiranda, Hunt Lambert, Tony Maciejewski, Garrett O'Keefe, Jerry Potter, Sanjay Rajopadhye, Pete Seel, H.J. Siegel, Jaime Switzer, Wade Troxell

ISTeC Administrative Assistants: DeeDee DeMiranda, MaryAnn Stroub

Industry Representative Attendees:

Julie Jensen (Agilent Technologies)
Hai Vo-Ba (AMD)
Michele Kolb (Apple)
Bodhi Gerfen (Apple)
Henry Dittmer (Avaya)
Donald Dulchinos (CableLabs)
Dennis Georg (Decisions)
Jim Alexander (EchoStar)
Ester Worker (ESRI)
Dan Beal (Hitachi Data Systems)
Steve Shattuck (Hitachi Data Systems)
Deborah Ogden (Hewlett-Packard)
Rusty Searle (Hewlett Packard)
Darren Jeppson (IBM)
Joan Mitchell (IBM)
Chuck Richards (IBM)
Ron Czajka (Lockheed Martin)
Rod Bowman (LSI Logic)
Michael Kearney (Sun Microsystems)
Ray Scheischel (ValleyLab),