

## Meeting Notes April 4, 2013

### Agenda:

- **I. Welcome and Introductions**
- **II. AACCD Organizational Issues**
  - A. Introduction of Executive Committee

Wayne Summers and Priscilla Dodds have agreed to join the Executive Committee to help with continuity of AACCD. Ashraf Saad will serve as past-chair, and Mark Guzdial as chair.

- **B. Voting on 2013-2014 AACCD Chair**

Mark Guzdial will continue as AACCD Chair for 2013-2014.

- **C. Establishing a new web presence and document repository**

Ken Hoganson agreed to set up a web presence for AACCD at Kennesaw. Gita Phelps is going to look into getting the old AACCD pages pointing to the new ones.

- **D. Comments on subcommittee process**

The committee agreed to continue the subcommittee review process that we've been using this last year.

- **III. Suggestion from BoR Advisory Committees Meeting: A "Value of Computing" report.**

At the Academic Advisory Committees Chairs meeting that Ashraf and I attended in the Fall, a recommendation was made for each AAC to produce a report explaining the value of our discipline and our educational offerings to the state. We had a discussion about the content of such a report:

- Byron: We should probably start from the CSTA arguments for the value of computing, and maybe the Department of Education CIP codes.
- Priscilla: For the Board of Regents, we need to make clear how we connect to computing in the state. How we're important to Georgia.
- Wayne: In Columbus, jobs in IT are going open. There are more jobs than graduates. For Fort Benning, we offer an undergraduate games track, and graduate programs in modeling & simulation and Information Assurance. We teach Cobol for mainframes, and about 90 jobs go open each year in that subject. We teach 30 students per year how to do Cobol, and those seats are all filled.
- We need to make clear (1) the kinds of degrees that exist in the state, and (2) What the Technology needs are within the state and how we are meeting them.
- Wayne: BOR needs to know that we have no problems with job placements. 20% of Georgia job openings are IT jobs (according to TAG-Columbus).
- Byron: We need to emphasize the importance of computing *education*, that you can't figure out all the technology just by Googling it. It's the difference

between having access to the information and being able to apply the information.

- We also offer relationships with students, and we continue those with our alumni.
- Learning computing is an apprenticeship, where peer learning and pair programming is useful.
- MOOC students are those who are the strongest students.
- The social part is an important part of the college education experience. Many of our campuses are emphasizing learning communities. This helps to explain why the residential program is so useful.
- Curt Carver (CIO of Board of Regents) spoke up here from the conference phone. Curt said that he's been discussing MOOCs with Linda Noble.
  - Their perception is that MOOCs are most successful with the top 10% students.
  - We need significant student engagement to drive graduate rates up.
  - The BoR understands the importance of CS, CIS, and IT in the state.
  - The challenge is to enhance student success. We're not interested in 100K students at once. We want to leverage the best minds to drive up graduation rates.
  - **Question:** *Does BoR have information on trends in state employment that can inform what degree programs we're offering?*
- We need to tie our education programs to economic development. Companies are banging on our doors to get our graduates. We have low unemployment rates. The companies get how necessary IT is to inform their decision-making processes.
- The draw to Georgia (e.g., Google, Caterpillar) is diversity of institutions and quality of students.
- We need to leverage what we got, e.g., Peachnet, GT outreach to K-12 through that, teach everywhere.
- *Action Item: Ken Hoganson and Wayne Summers volunteered to take lead on the report. Mark Guzdial and Frank Malinowski agreed to participate.*
- **IV. New Business? What other issues should we be addressing?**
  - There's a lot of interest in pushing further on K-12, and in helping with high school CS in the state. We need to explain to the Department of Education why CS <> IT <> CIS.
  - *Action item: We need to make sure that CS1301 is on the dual enrollment list.*
- **V. Rick Adrion from U. Massachusetts Amherst, PI of CAITE (<http://caite.cs.umass.edu>), and PI of "Expanding Computing Education Pathways" Alliance (<http://www.ecepalliance.org>) .**
  - *State of Two-year to Four-year transfers in Computing Programs in Georgia — and how to make them better*

Rick presented data (attached) on how community colleges work in Massachusetts and about how CAITE has made CC->4year program transitions more successful, and in so doing, improved diversity in 4 year computing programs. He talked about data collected by Tom McKlin (The Findings Group) from the USG on transitions from Dalton, GPC, and Atlanta Metro Center into the 4 year programs in the state.

Complete College Georgia wants 60% of Georgia to have some academic credential over the next 7 years. We're currently at 33%.

A Bachelors of Applied Science serves as a useful match to Technology College System of Georgia courses. Articulation agreements are necessary to match individual courses, to get the institutions to agree. 17 Gen Ed courses currently map from TCSG to USG.

Rick said that the key to making the transition work is finding agents: Individuals who will take responsibility for easing the transitions.

Georgia's CS/IT programs are already quite diverse in terms of under-represented minorities, but the percentage of women is low.

There are no CS Associate degrees in Georgia. Computer Systems, Networking & Telecommunications are the largest associate programs in Georgia.

We discussed a variety of mechanisms for improving retention and college completion rates, such as being involved in the Complete College Georgia efforts, remediation, mentoring (1/2 to 1 point in improvement in GPA in CAITE's use of peer mentoring), and peer instruction.

Rick said that the process to improve 2year->4year efforts in CAITE have been:

1. Get CS faculty + Transfer office + whoever else is needed, to formalize course equivalencies.
2. CS changes often, so have to keep the equivalencies updated.

Wayne suggested two summits: One in Atlanta, and one somewhere in South Georgia, to start with this process. Rick offers to help us with the process.

*Action item: Mark will coordinate finding locations for both of these meetings and setting dates.*