

- ★ Industry, Business & Technology Trends
- ★ Upcoming BAC meetings
- NOTE: CHANGED SINCE AUGUST 18 BAC PHONE CONFERENCE**
 - **Thursday, November 12, 2009 BAC Jobs Skills Analysis**
 - Time to be confirmed: Tentatively 12:00pm - 5:00pm
 - Collin College Preston Ridge Campus, Frisco TX
 - **Friday, November 13, 2009 Green IT Summit**
 - Information and Registration will be sent when made available
 - Collin College Spring Creek Campus, Plano TX

Meeting Details

Meeting Date	▶ Tuesday, August 18, 2009
Meeting Time	▶ 8:30am CST
Meeting Location	▶ Phone Conference
Meeting Subject	▶ Quarterly Business Advisory Council

Attendees

Beheler, Ann - CTC	Martinez, Eliazar - El Centro College
Blackman, Ann - CTC/Collin College	Navarro, Manuel - Northwest Vista
Blitt, Bill - Collin College	Plog, Bette - El Centro College
Chupka, Nicole - Northwest Vista	Pulling, Jonathan - Lansing Community College
Demcher, John - OSAR Consulting	Saflund, Pete - CTC Evaluator
Dietrick, Karl - Lansing Community College	Simpkins, Earl - Telecom Electric Supply
Galley, Dave - Collin College	Slocum, Candy - InterLink
Graf, John - Synergy Concepts	Sullivan, Helen - CTC/Collin College
Halbach, Ron - Nortel	Tenenbaum, Patti - CTC/Collin College
Halweg, Elizabeth - Fox Valley Technical College	Thiry, Pierre - City College of San Francisco
Hoyt, David - Collin College	Veibell, Scott - Cisco
Humphreys, Bryan - Collin College	Willis, Stephen - Collin College
Kapp, Karl - National ICT Center	Wintrich, Glenn - Perot Systems
Keathly, David - UNT	Wright, Bob - BCI/ Protocol
Kirkendoll, Corey - Cisco	

▶ **Agenda**

- Welcome - Ann Beheler
- Roll Call - Helen Sullivan
- Kudo's
 - David Keathly has been promoted to Senior Lecturer at UNT. AnnBr congratulated David and thanked him for the excellent partnership with UNT as a CTC partner college.
 - Dave Galley has been the lead at Collin in securing a STEP grant with UTD. The focus is on STEM education, recruitment of high school students and transfer to UTD.
 - Corey Kirkendoll has been nominated for one of Tech Titans award. Ann Br noted how prestigious award is and we appreciate his involvement in the CTC.
- Renewal Status - Ann Beheler
 - We've negotiated the renewal budget in late July, early August with our NSF program officer and it has moved on for final approval within the NSF. We're very

- close to finalizing all the details and look forward to being able to continue our work.
- \$1.55 million over 3 years. The focus of the new grant is Green IT, on the behest of the BAC. This will also allow us to continue to work with our mentored colleges, many of who are dialed in on the call today.
- Summer Events - David Keathly, Bette Plog
 - David reported that UNT did a series of summer camps for grades 8-12. There were almost 300 students that were involved, a significant increase from last year.
 - David thanked the CTC for their support and involvement - El Centro faculty and Ann Blackman from Collin.
 - This year, in addition to Robotics a new program, xbox programming was added.
 - One of the new locations for the summer camp was the Dallas Stewpot, a resource center for Dallas homeless and at-risk individuals.
 - Results will be shared in the next two months.
 - Ann Br thanked David for the "labor of love" and thanked him for involving CTC
 - Candy Slocum mentioned how this above all is someaningful in getting students involved in STEM programs. Shealso significance of involving students at stewpot
 - Bette 16 days 36 juniors & seniors. 4th year.
 - Faculty really enjoyed working with students at stewpot.
 - IT break out sessions
 - Ann BI - teacher camps
 - Professional Development - Helen Sullivan
 - Mentored College Meeting
 - Karl Dietrich - a good meeting, especially the chance to match up the faces with the names as well as to be able to discuss the stumbling blocks that we all share as we get technology programs up and running.
 - ◆ Lansing College update:
 - ◇ As a result of his Green IT track here at Working Connections, they are developing a special topics class in Green IT at Lansing.
 - ◇ Foundation IT courses have been added.Lansing College overall enrollment over 12%.
 - Elizabeth Halweg - she said she really likes to learn about what's working and what isn't and definitely plans to be back.
 - LIST of mentored colleges - Helen emphasized how we here at the CTC are benefiting from the mentored colleges.
 - Working Connections
 - 109 participants -almost double from year ago.
 - Six tracks - Convergence/Green IT, DHTI, Ethical Hacking 2.0, Information Storage Management, Mobile Programming, Online Course Development.
 - Satisfaction survey - what are you going to do with this information - 6 month survey follow ups.
 - 24 people outside of Texas ... new this year is Cananda.
 - AnnBr also mentioned the number of Collin and El Centro - all faculty able to participate in professional development.
 - HI-TEC Conference
 - 20 CTC attendees.
 - Dave Galley thought it was a terrific experience. It gave him an opportunity to meet, grant writing sessions, Ann BI - work booth, EMC - implementing course.
 - Candy - getting to know CTC people better and NSF ATE programs. She mentioned the business tour she took -very impressed by solar energy initiatives.
 - Bette - through CTC funds mentioned about bringing a Dallas ISD teacher - appreciated opportunity to provide outreach to the local ISD.
 - Ann Br made an open invitation to our BAC to attend the 2010 HI-TEC conference which will be in Orlando FL. She clarified that the purpose is to

not only highlight NSF ATE programs but also to provide the interface with businesses to know what

★• Industry, Business & Technology Trends - ALL DISCUSS

- SECURITY. Glenn Wintrich - congratulated Collin for getting the CISSP course up and running. This ties into his trend he wanted to mention which is security breaches within government enterprises and businesses. He thanked the CTC for listening to the BAC and taking the recommendation on the importance of security courses. Dave Galley thanked Glenn and gave, as an example, a new Security+ course that has been posted in the second 8 weeks of the fall semester
 - Glenn mentioned that Perot employees and others have expressed interest in a condensed course format over Christmas or over the summer and suggested that Collin take a look at that. He sees that businesses are seeing the value of community college educations.
 - Steve - Gold standards of security - came out of a Dept of Defense mandate.
- VIRTUALIZATION. Glenn also talked about virtual desktops. Trends are companies with small, private clouds but they are still going to need the ability to tie into larger, public clouds. He knows this is a security issue. Biggest issues are not how to learn how to virtualize but lessons learned, how secure multiple clouds together in a secure manner.
- DESKTOP VIRTUALIZATION. Perot Systems went with VMware but he was quick to say it was a flip of the coin because others do the same thing just as well. This allows for huge reductions in electricity, IT overhead, etc. Gave example of doctors and nurses being able to... He predicts this could change the world of desktop support - If the "box" (pc or laptop) you're working from stops functioning, it is cheaper to just replace it and keep moving rather than waiting for helpdesk to show up and fix the pc or laptop. Scott Veibell pointed out that DV this will also allow using pc's and laptops at much lower price points. John Demcher return on investment will be much greater because of reduced energy costs of , longer use. Glenn mentioned concern about amount of time to access info but that has proven to be much improved.
 - Sans? Nethers? ERP applications - need to punch out of internet to another cloud, security,
 - Jobs? Ann Br - Glenn said key to understand solution - knitting together, minimize holes, maximize security, methodology - know what questions to ask. AnnBr suggested need for case studies for students to learn ...
 - Need for students to understand SANS, NAS ... Ann Br mentioned the discussions she and Dave Galley have had in this area and the importance. Dave agreed and reiterated pur
 - Netapps - Glenn most impressed -
 - John Graf asked about security issues in virtualization - Glenn agreed but pointed out that is part of the business process. He and gave some examples of how involved CSO's are involved in any virtualization project. Ron Halbach agreed that question is never going to end. Bob Wright made analogy to the main frame days. Ron - separate disaster recovery vs security. Glenn agreed - no talk about DR anymore, no need.
- RICHARDS DATA - Green building management on a converged network. Ann Br ... Is this a trend? A big deal or a little deal? Scott Veibell states that Cisco sees this as a big deal. Ron Halbach agreed that everything runs on one network.
 - Candy - everything ties into security. Unified smart grid. How do we make sure security is involved? Ann Br agreed for the importance of security and emphasized that the CTC program, from the beginning has used the lens of security for all of our course work.
 - Jonathon Pulling - from the point something is brought out of the box, students are - Karl easier to build it in rather than add it after. Ron Halbach - yes, needs to be involved in all CTC programs but also points out the need for a specialization, as well. Jonathon - mentioned reducing energy costs at Lansing. Glenn agreed that depreciation costs is important to keep in mind.
- Actions of people within your network: Glenn gave example of problem they had within someone - Rogue devices within enterprise. Ron Halbach asked if Network access is mentioned within courses.
- Dave Galley agreed with Glenn regarding to importance to hiring - in terms of certifications... the trend is moving people into skills that create more value and

more margin. Time Wars ... old people reference! Corey Kirkendoll - tie the technology to the business, continuous business improvement, know but have to apply or it's a waste of time. - wireless or security or virtual, not just how but WHY am I going to do it. Capstone course reviews - Glenn encourages all BAC to attend these presentations - impressed with how students are prepared to make these business presentations.

- Updated Roll Call - Helen Sullivan
- Upcoming Events - Ann Beheler
 - Friday, November 13, 2009 @ Collin College Spring Creek Campus (Plano)
 - 7:30am Business Advisory Council
 - 9:30am Green IT Summit
- National ICT Center feedback session -Karl Kapp
 - What roles do you play as a BAC member?
 - Questioning students during case studies.
 - John Graf mentioned the CTC taking advice in terms of industry trends, specifically Green IT
 - Glenn Wintrich pointed out importance of developing case studies. It was clarified that BAC members have also been integral in supplying material for case studies as well as evaluating effectiveness of case studies.
 - Program has not faltered with college staffing changes - program has stayed alive - BAC has been a part of that.
 - Where do the ideas come from? From the group discussions. Glenn Wintrich mentioned importance of making sure all colleges, especially now the mentored colleges, that technology is constantly changing which means the college technology courses need to be constantly updated. Scott Veibell gave example of Green IT
 - Candy - Businesses have helped importance of colleges, community colleges AND universities working together, which hasn't always happened. Ann Br agreed and gave Dave Keathly - Ron Halbach agreed that this is huge.
 - John Graf gave AnnBr kudo's - needs of college, ideas of college to people outside of the school and bring those people those into the realm of educational facilities.
 - Glenn Wintrich - want to take CTC's work with community colleges and universities and expand this to CTC's mentored colleges. Gave example of the number of 4 year universities in Ohio near our mentored college, Clark College.
 - Karl Dietrich mentioned also need for relationship with high schools - needs to continue to be strengthened that community college is a path. Ron Halbach strongly agreed. John Graf agreed and pointed out that while Texas is doing a fairly good job of marketing value of community college but that we can still improve as well as help schools in other areas.
 - Evidence of Success - Candy: When economy took a dive, CT students were coming out of program, without even completing program, and being hired.
 - Glenn -meeting minutes - how trends discussions have then been integrated into CT programs.
 - Ron Halbach - look at how curriculum has changed, look at number of schools has joined in, the relationships with 4 year universities.
 - Have you found any direct benefit of relationship with schools across country as a result of NSF grant - Ann Br stated that she did not feel we would have ever received regional grant status without the assistance of a national center like the National ICT center. Suggestion on military involvement - (jOhn Graf)
 - Opportunity for improvement - Ron Halbach feels always looking at this area. Glenn Wintrich - knows college is looking at this and probably needs an offline discussion, but the topic is improving internships. Dave Galley agreed and will be following up.
 - Candy also mentioned value of CTC involved in Interlink's annual surveys.

Ann Beheler thanked everyone for the involvement and remarked that the work of the grant is truly owned by the businesses.

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