

Quarterly Networking BILT Meeting February 12, 2013

Meeting Minutes

Attendance:

Jon Hardesty	David Keathly	Dan Myers
Helen Sullivan	Kurtis Sampson	Ann Beheler
Lewis Scaife	Matt Webber	Glen Wintrich
Jennifer McGarvey	Barbara Erikson	Candy Slocum
Mark Dempsey	Terrill Bailey	Tommy Simpson
Ann Beheler	Earl Simpkins	Jason Scott
Heather O'Neil	Michael Meadows	Zack Turner
Christina Titus	Timor Mirvoez	Eliazar Martinez
Brian Smith	Karl Dietrick	Bill Caulifer
Tu Huynh	Ernie Friend	
Tom Pensevene	Dave Nelson	

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Welcome and Attendance: Ann Beheler

I will go through the attendees that RSVP'd and then we will ask for anyone else who may have joined us. *Roll: call. We have an agenda and a set of slides to go through this morning. We need to make this interactive but please put yourself on mute if you aren't talking. Thank you for joining us. This is our Quarterly BILT Meeting; NSF and DOL will now meet together for the Networking BILT to collaborate and be more time efficient in doing so.

Setting the context

Our hope is for the BILT to lead us, not just guide us. We believe this approach will bring the most benefit to the students.

National Convergence Technology Center

Unfortunate if the students education isn't align with the job expectations

NCTC Partners and CCN Network

NCTC GOALS

DOL grant : built on 4 NSF Centers

Rio Salado : putting curriculum online

DOL GOALS : lost jobs at no fault of their own this grant 2 billion initiative, career pathways for high school students

Collect data, heavy emphasis on virtual labs

PRIORITIES as on slide 13

DOL Specialties : slide 14

Meeting to be held soon for mobile app development

Networking is lead by Collin

Cyber and GIS may want to be part of both of these teams

Both grants leverage each other however do not duplicate work

IT Trends – Glen Wintrich : Business chair for CTC to push us to improve , Vice chair and second Vice Chair both need to be selected . National Center will continue so this would be important

Candy S. This is a ideal set up for the importance of the team and to ensure a smooth transition

Volunteers to be 1st or 2nd Vice Chair : Please email Ann Beheler

Transition at the first face-to-face BILT Meeting.

You may also send questions to Glenn, Helen, or Ann

Glenn: My commitment has been 3-4 hours on average each quarter to set agendas, trends, capstone courses, final student presentations. You can be more involved and volunteer to support the college by traveling and attending functions and seminars

If you do not want to be a chair, getting involved in Tiger Teams is another great way to participate. To get more details or to participate in other means email Ann or Helen.

Expect to have this determined by May's Meeting

TRENDS led by Glenn Wintrich

Infographics are not predictions but they give you a feel for what is coming. If it says something it going to occur in 2020 expect to see it in 2016.

Trends accelerate

SLIDE 17 :

Smart Process Apps : SPA developing over the next few years that help with labor intensive process (roles of human activity) 2018 this will be in a full sprint

Gary : Cyber security : service attacks that are happening in financial security systems. Advanced persistence threats. Privilage access // These attacks will require defensive measure or security layers and how you train students to be decipher quickly and how to route the attacks into scrubbers to clean the packets and send to the company and sandbox the bad . Part of network infrastructure is very close to cybersecurity. Networking students should understand good practices to defend against these attacks coming in to their systems.

Sandra: students training to be IT professionals , have a view into programming

Matt Glover : Security is like profit a business has to have it. Cybersecurity should be inherent in each of the trainings.

Jason Smith : Also preventing explotations of hardware is an important part of this.

Ann : Cyber security is a part of all that we do but the credit hours are limited to what we can put in to a certification, but there are multiple certificates available, including special certificates in cybersecurity.

Glenn : BOYD two years ago this was hot topic and now it the big topic is Social enabled enterprise

2020 50 percent of the job market will be self employed: Hollywood model ...this will cause people to use their own device and then security is modified with new issues . How to control the security

Gary: It allows you to manage that business persona; there is a MDM for this.

Mike Meadows : people working on their own and those working remotely collaborating with them is a challenge from a management perspective, with not being able to see them or the concern that remote workers do not feel a part of the business. Dave Nelson : Vmware : gone to BOYD exclusively ,this extends to academics going to only e-books , tool used to communicate with remote workers SKYPE.

Mike Meadows: We use SKYPE we even have it in the break room so that remote workers can be a part of all aspects of the business. It is still hard to jointly review projects and stifles creative employees that need the feedback and face to face presence.

Glen : A new device coming out that is the size of a lighter and connects to HDMI connects to cloud , all data is stored on the cloud . Coming out first half of year and USB connections will follow. 99 dollars or less. Log on with a Bluetooth keyboard and mouse, this device is stateless which brings us to network cloud.

Dan Citrix : So many of these trends over lap. Citrix is big on BYOD, you need to manage, everyone needs access to programs. Cloud standards are coming many companies are creating different clouds and the industry is crying for standards. IN 3 years the cloud wont be talked about it will just be how we work.

Candy : who sets the standards

Matt Glover: Standard should be set by the cloud businesses.

Dave Nelson : This is industry driven

Glen : software platforms will track standards and collect best practices

Candy : Does this mean companies will interact to build standard ?

Dave Nelson : Yes, there will be some collaboration because no one owns the cloud.

Glen : we are seeing a lot of people bringing out code. Companies will not keep it private and will make money on their ability to execute.

Matt : Concerned about some of the open source. Going back to BOYD, one of the harder platforms to secure is the android iOS is much easier. Some companies will not want their data to be open source.

Dave Nelson: I believe that problem will be solved.

Glen : IP telepathy, the adoption of softphones, cisco , avaya , how do you see that impacting students ?

Mike Meadows: We have a partner that actually does that. That technology helps people stay connected and you don't have to worry where they are. That will help with remote teams and workers. Technology is cool hopefully this is a simple enabling tool.

Glen: Microsoft link softphones not just for voice, conversations can go from IM to phone to sharing his screen allowing more interaction with workers. If you are within a network this keeps people unified and have access at their finger tips to do multiple tasks.

Brian: All trends are connected if you're talking about softphones you see this on cell phones as well. You can add this app to android which really ties BYOD to this as well.

Dave Nelson : We skipped out sourcing. Many countries can do it faster and cheaper so if students want to compete they need to know businesses are going to go for quick and cheap.

Dave: IDC March 2012 study the technology cloud computer sectors 14 million new jobs. The idea is that we want to have virtualization and cloud computing in our schools because it won't take long for offshore entities to take off with this.

Barbara Erickson: Having spent several years working with EDF some of the work is coming back because of the difficulties of managing projects. Students onshore who are really equipt then they are more worthy of handling the job.

Dave Nelson : economics can be difficult if you are going to work off shore you have to layout specifically what you want. Could be cheaper but It has to be defined, so after all the QA and re working is done you aren't saving all that much.

Barabara Erickson: You may even have to send your own people.

Dave Nelson: Unless you have someone on the ground then it won't produce what you need.

Shandra : There will always be jobs for skills that students have on shore, there will be a demand for offshore commodities as well.

Matt Glover : Has had consistent problems working offshore and has brought back many projects.

Glen: To tie back some comments made. Offshoring has proven unsuccessful when you have to have entry levels doing project management. Students need to have a portfolio showing project management, presentations. Then it becomes less of price then quality.

Barbara: Is there anything being done to be recognized for Device recognition? : Ann will work with colleges

Dan: There is Mobile device software; I think education needs to build in curriculum at the architect level.

Glen: How to do an architect level?

Ann: We do have a project course that introduces architect level, presentation. Will discuss how to maximize the 72 hours to ensure we are covering the details

Glen : which certifications are hot and which are not ?

DAVE: Virtualization cloud computing and virtualization of desktop, suggest VMWARE professional cert. COMPT TIA certifications, EMC Cloud Certification VDI certification: VMWARE view and Citrix fall under VDI

Hyper V Microsoft Certifications

In the past it was gold to have a specialty, today you need to have a portfolio of certificates.

GLEN : The businesses think there are hot certificates then we can bring them into working connections where we have been training faculty to teach things like this.

Winter Working Connections: we look at which tracks to offer to ensure we are preparing the educators with the most recent and most in demand

Mike Meadows: Technology is not what it was 10 years ago nor will it be what it is today 10 years from now. Today IT is the largest dollar expenditure in a business now, it's done through road mapping. We put solutions together that are cost effective.

KSA Assessment slide 19

NSF specific Highlights by Helen Sullivan

Speaking opportunities : sharing perspectives or giving insight Helen will reach out for volunteers and interests

Intern and externships: connections with colleges in your area?

Please contact us via email

White papers: interested in please contact via email .. you can pair with someone from the college or another business you may . Disseminated

Interlink Collaboration: Candy S. and Glenn W .. Feb 20th IT futures forecast , maturity of skills, absolute?
To give feedback to educators and report back to business community

Heather will be doing a phone survey job forecast to be aggregated in a roll up, as well as updating contact information, etc.

DOL specific highlights by Ann Beheler

Virtual Lab 2 million in equipment that really allows us to scale networking/

Please mentor as available meeting with project class via webinar : to have you participate as a manager and or coordinator with the students without being at the campus also need general mentors

WORKING CONNECTIONS by Ann Beheler

Professional level and review of statistics

Mark Dempsey Preview of Summer WC 2013

Thank you !