

National Convergence Technology Center

National Visiting Committee Meeting
April 17th & 18th, 2013



NVC Meeting Agenda

Wednesday, April 17, 2013

- 11:30 AM Meet and greet for lunch – Gordon Snyder to outline roles and responsibilities
NOTE: 11:50 AM – Noon NVC only
Guests include Business & Industry Leadership Team (BILT), college faculty, staff and students
- 12:00 AM Welcome, Introductions and Overview of Convergence Technology Center – Dr. Ann Beheler
- 12:15 PM Overview center's work – Pete Saflund
- 1:00 PM Student Panel Discussion – led by Eliazar Martinez

- 1:45 PM BREAK

- 2:00 PM *Highlights from Partner Colleges on regional and national grant*
Dallas County Community College (El Centro) – Eliazar Martinez
- 2:20 PM Collin College – Jon Hardesty and Dave Galley
- 2:40 PM University of North Texas – David Keathly
- 3:00 PM *Highlights from Partner Colleges on national grant*
Florida State College at Jacksonville – Ernie Friend
- 3:15 PM Fox Valley Technical College – Elizabeth Halweg
- 3:30 PM Lansing Community College – Karl Dietrich

- 3:45 PM BREAK

- 4:00 PM Orange Coast College – Bill Saichek
- 4:15 PM Georgia Southern University – Timur Mirzoev (Demonstration of NDG environment)
- 4:45 PM Wrap up for the day. Dinner to follow.



NVC Meeting Agenda

Thursday, April 18, 2013

- 8:30 AM Meet and greet for breakfast – Review of agenda and logistics for the day – Ann Beheler
- 9:00 AM Presentation on Convergence College Network – Dr. Ann Beheler
- 9:30 AM Partner Panel Discussion – led by Ann Beheler
- 10:15 AM BREAK

NVC deliberation
- 11:15 AM Debriefing with National CTC Leadership Team
- 12:00 PM Adjourn

Thank you for joining us !



NVC Members & External Evaluator



Gordon Snyder: ICT Center and Chair for the NVC



Carolyn Corbin: Center for the 21st Century and BILT Member



Matt Glover: Corporate Director of Global Info. Tech at AMX



Deborah Boisvert: Executive Director at BATEC



Ron Halbach: Leader of Technical Sales Specialist at Juniper Networks



Jeff Wacker: Professional Futurist



Kim Yohannan: Academic Alliance Manager at EMC Corporation



Pete Saflund: External Evaluator

National CTC Staff



Dr. Ann Beheler: Principal Investigator



Helen Sullivan: Director



Mark Dempsey: Program Manager



Jennifer McGarvey: Web Communication Editor



Heather O'Neil: Administrative Assistant



National Science Foundation Regional Convergence Technology Center 2004-2011

- Awarded in 2004, renewed in 2009, submitted for further funding in 2011.
- Partners:
 - Collin College – Lead College
 - El Centro College – Eliazar Martinez
 - University of North Texas (UNT) – David Keathly
- Affiliates grew organically to 21 Mentored Colleges in 10 states, providing expanded impact for both students and faculty



Regional CTC Goals

- Program Improvement to meet workforce needs
 - Update skills required by the region for Convergence Technology curriculum.
 - Invigorate classroom curriculum based on job task analysis and create online modules to support hybrid and/or fully online delivery of courses.
- Professional Development for Educators.
- Recruit/retain/graduate underserved populations into the field of convergence technology.
- Capacity Building/Dissemination.
 - Share procedures for: 1) creating and retaining actively involved Business Advisory Council, and 2) procedures for actively recruiting students into a new technology program.



National Science Foundation National CTC 2012-2016

- Awarded August 15, 2012 thru July 31, 2016
- Affiliates include 29 Mentored Colleges in 14 states.
- Partners:

Collin College – Jon Hardesty

El Centro College – Eliazar Martinez

Florida State College at Jacksonville – Ernie Friend

Fox Valley Technical College – Elizabeth Halweg

Georgia Southern University – Timur Mirzoev

Lansing Community College – Karl Dietrich

Orange Coast College – Bill Saichek

University of North Texas – David Keathly



National CTC Goals

- Expand CCN Network with an additional 40+ colleges, offering cutting edge convergence curriculum and programs.
- Creating an instructor's bureau of competent instructors to be deployed to teach other instructors in emerging technologies nationwide.
- Modeling the CTC Business & Industry Leadership Team (BILT) "best-in-class" process to create/reinvigorate distributed regional BILT teams to:
 - 1) identify emerging regional trends to anticipate workforce needs
 - 2) assist with professional development
 - 3) recruit and mentor students and faculty. Skills standards identified at the National BILT level (handled collaboratively through the DOL grant) will be used as a basis for scaling and customizing at the regional level.

National CTC Goals

- Furnishing technology-enabled instructional support systems to assist colleges in launching convergence programs through:
 - 1) providing virtual laboratories to support pervasive online national delivery of non-vendor specific and vendor-specific "hands-on" laboratories
 - 2) providing nationwide access to online courses
 - 3) providing e-book materials for new courses
 - 4) leading the implementation of virtual internship/externship capstone courses throughout national Mentored College Network.
- Increasing the number of completers with certificates and degrees by implementing best practices such as business mentoring, stackable certificates, and seamless articulation to 4-yr institutions.

Key Accomplishments for Both CTC Grants

- Working Connections has provided cutting-edge training/education
 - 800+ faculty from Texas and beyond
 - Well over 30 topics
 - Longitudinal surveys show faculty have taught over 36,800 students over past 4 years
 - 81% of the faculty chose a Working Connections track they were not currently teaching
 - 12th Summer Working Connections scheduled for July 2013 with 80+ already registered



Key Accomplishments for Both CTC Grants

- Convergence College Network
 - 30+ related degrees
 - 80+ related certificates
- Regional BILT has evolved into National BILT meets quarterly
 - 3 x teleconference
 - 1 x face-to-face to update job skills analysis
 - Leverages work between NSF and DOL business partners

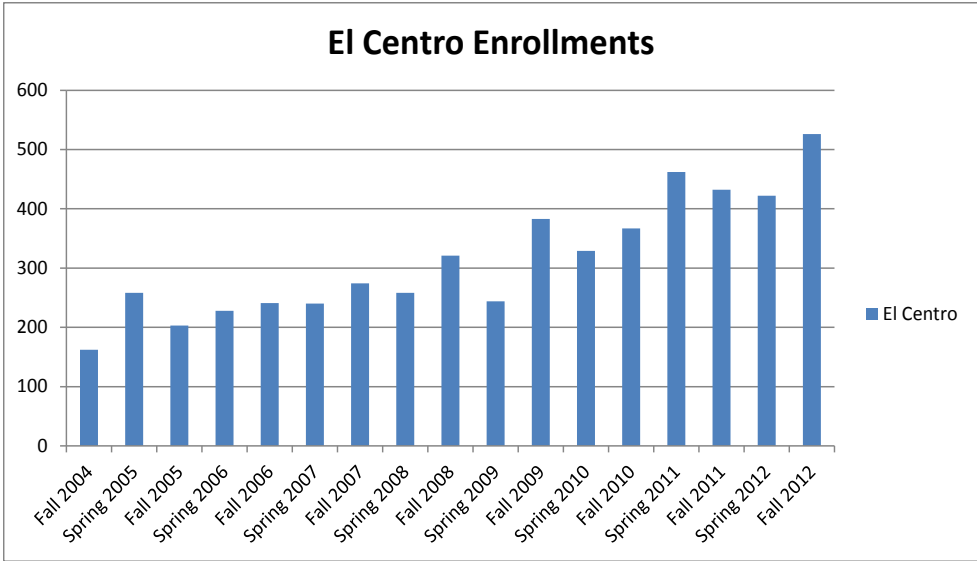
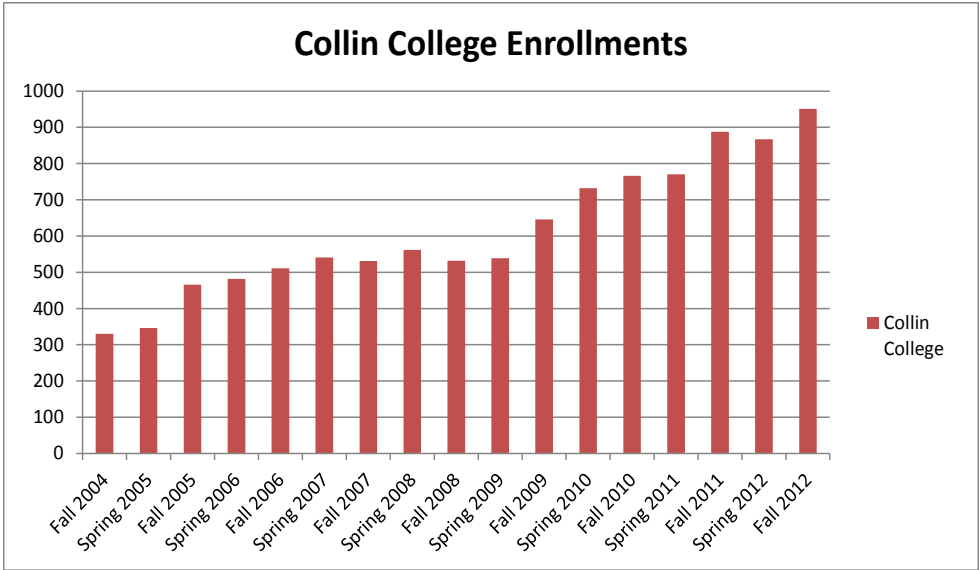


Key Accomplishments Continued...

- National presence for Collin and CTC in the grant world including NSF and beyond
- Collin College and the seven partner schools report the following in calendar year 2012
 - 5300+ students taking at least one course
 - 1500+ of these (28%) were female
 - 350+ students completing a program
 - 130+ separate articulation agreements
 - 300+ students benefitting from these agreements



Student Enrollments



How DOL National Information, Security, and Geospatial Technologies Consortium Leverages and is Leveraged

Awarded October 1, 2011, one of 32 TAACCCT DOL Grants and one of two multi-state consortiums. Focus is on 4 IT specialties:
 Programming (mobile apps development, business analytics),
 Networking infrastructure (Convergence,)
 Cybersecurity,
 Geospatial Technologies

NISGTC Member Locations, Specialty Areas, and Affiliated Colleges

NISGTC College	NSF ATE Center/Strength
Collin College (lead) McKinney, TX (Greater Dallas)	The Convergence Technology Center (CTC), a Regional Center/ Networking and Data Communications
Bunker Hill Community College (BHCC) Boston, MA	The Boston-area Advanced Technological Education Connections (BATEC), a Regional Center based at the University of Massachusetts Boston/Programming
Moraine Valley Community College (MVCC) Palos Hills, IL (Greater Chicago)	The Center for Systems Security and Information Assurance (CSSIA), a National Resource Center/Cybersecurity
Del Mar College Corpus Christi, TX	The National GeoTECH Center/Geospatial Technologies
Salt Lake Community College (SLCC) Salt Lake City, UT	Geospatial Technologies
Bellevue College (BC) Bellevue, WA (Greater Seattle)	Former NSF ATE Center/Programming and Mobile Applications
Rio Salado Tempe, AZ (Greater Phoenix)	On-line College with National course delivery expertise

NISGTC Priorities and Strategies

Priority 1: Accelerate Progress for Low-Skilled and Other Workers

Strategy 1.1: Enhance and expand outreach and recruitment efforts for trade-impacted workers and underrepresented populations in the IT Industry.

Strategy 1.2: Develop and Integrate Web-Enabled Contextualized Bridge Courses for Trade-Impacted and Other Workers

Priority 2: Improve Retention and Achievement Rates to Reduce Time to Completion

Strategy 2.1: Create and Expand Retention Services and Tools using Social Media

Strategy 2.2: Align Competencies to Enable Articulation to Advanced Educational Opportunities

Priority 3: Build Programs that Meet Industry Needs, Including Developing Career Pathways

Strategy 3.1 Engage Industry Leadership to Align Skills and Competencies

Strategy 3.2: Develop And Deliver New And Enhanced IT Curriculum and Instruction

Strategy 3.2: Strengthen Career Pathways And Create Industry-Recognized IT Credentials

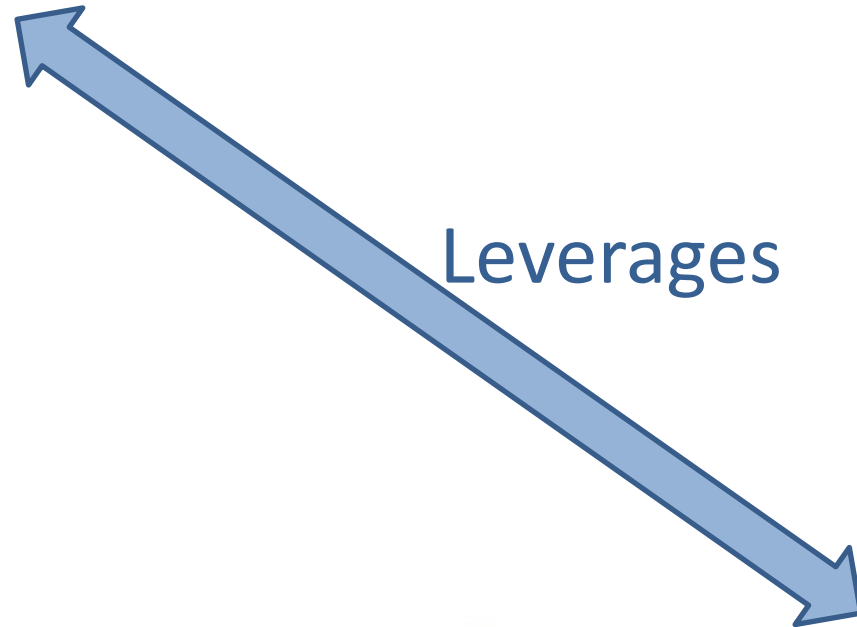
Priority 4: Strengthen Online and Technology-Enabled Learning

Strategy 4.1: Implementing Hands-On Training & Technology-Enabled Delivery Mechanisms To Improve Learning

Win-Win



DOL Grant



NSF Grant

