BRIDGING THE ROLE OF ACADEMIC AND PRACTITIONER IN TEACHING ABOUT TECHNOLOGY IN YOUR CAREER FIELD

JULY 30, 2018

HIGHLINE COLLEGE – BUILDING 2
2400 S 240 ST
DES MOINES, WA 98198

Global Trade & Supply Chain Management
Highline College
Center of Excellence

HOMELAND SECURITY EMERGENCY MANAGEMENT
CENTER OF EXCELLENCE

AGENDA - JULY 30, 2018

8:30 AM

MORNING COFFEE & SOCIALIZING

8:45 A.M.

WELCOME AND INTRODUCTIONS - LINDA CRERAR & SAM KAPLAN

What is our purpose, outcomes and process?

Introductions Workshop Development Team –
Dr. Meg Ryan and Jeanette Smith-Perrone

9:00 A.M. – 9:45 A.M.

SETTING THE STAGE" FOR THE FUTURE.
JEANETTE SMITH-PERRONE, FACILITATOR

Are technology academics speaking the same language as digital natives and industry?

Where is the gap in industry expectations and academic training?

9:45 A.M. – 10:00 A.M.

LEARNING TEAM ORGANIZATION AND EXERCISE

10:00 A.M.– 10:45 A.M.

KNOW YOUR TECHNO COMPETENCY

Gap identification and relevance to teaching and learning

10:45 A.M. – 11:00 A.M.

BREAK

AGENDA -
JULY 30, 2018

11:00 A.M. –
11:45 A.M.

LEARN YOUR INDUSTRY AND
STUDENTS' NEEDS

11:45 A.M. –
12:45 P.M.

LUNCH BREAK – LUNCH WILL BE
PROVIDED

*NETWORKING OPPORTUNITY
DURING LUNCH

12:45 P.M. –
1:30 P.M.

EFFECTIVE COMMUNICATION WITH
THE TECHNO NATIVE

1:30 P.M. –
1:45 P.M.

BREAK

1:45 P.M. –
2:30 P.M.

HOW TO INSPIRE AND MOTIVATE
RATHER THAN DEMOTIVATE THE
TECHNO NATIVE

2:30 P.M. –
3:00 P.M.

LESSONS LEARNED BY ATTENDEES,
NEXT SESSION PREFERENCES

3:00 P.M. –
3:15 P.M.

SUMMARY – NEXT STEPS
LINDA CRERAR & SAM KAPLAN

WORKSHOP THEME & OBJECTIVES

This Workshop brings together Pracademics from across our CTC community to build a template for a training-the-trainers course that provides faculty an opportunity to learn how they can improve their teaching and increase the learning outcomes of their students.

We will discuss our current teaching approaches and design a training that can be accessible to our faculty which will significantly improve our instruction and learning outcomes when teaching technology in our career fields.

- **Theme 1**: Pracademic "someone who is both an academic and active practitioner in their subject matter"

- **Theme 2:** Digital Natives and Digital Immigrants

- **Theme 3:** Learning and Teaching IT

- **Theme 4:** Improved Technological Literacy

Digital Native Learners	Digital Immigrant Teachers
Prefer receiving information quickly from multiple multimedia sources.	Prefer slow and controlled release of information from limited sources.
Prefer parallel processing and multitasking.	Prefer singular processing and single or limited tasking.
Prefer processing pictures, sounds and video before text.	Prefer to provide text before pictures, sounds and video.
Prefer random access to hyperlinked multimedia information.	Prefer to provide information linearly, logically and sequentially.
Prefer to interact/network simultaneously with many others.	Prefer students to work independently rather than network and interact.
Prefer to learn "just-in-time."	Prefer to teach "just-in-case" (it's on the exam).
Prefer instant gratification and instant rewards.	Prefer deferred gratification and deferred rewards.
Prefer learning that is relevant, instantly useful and fun.	Prefer to teach to the curriculum guide and standardized tests.

TECHNOLOGY USAGE GAP ANALYSIS

Please analyze your use of technology from a personal and professional perspective. Please circle all that apply.

Personal Use

- Laptop
- Tablet
- Kindle
- Computer Desktop
- Cellphone
- Social media
- Personal cellular wireless device
- Activity tracker or smart watch
- Alarm system
- Online learning platform
- Online video conferencing
- Online gaming
- Gaming console
- Wireless access point
- Spare hardware for testing and training
- Alexis, Echo, Amazon Dot, smart voice activated assistance
- Smart TV
- NEST home controller
- Surveillance cameras
- Virtual reality interface
- Website development
- Bluetooth devices
- Printers
- 3rd printer
- Drones
- Authentication apps – proving your identity
- Digital storage devices
- Cloud storage for personal info, images, etc.
- Online purchasing
- Online banking
- Online research
- Online movies
- Transportation apps
- MS Office apps
- Creative suite apps
- GPS
- Reliance on technology instead of learning a skill
- Distraction by technology
- Reduced sleep due to technology
- Reduced social interaction due to technology

TECHNOLOGY USAGE GAP ANALYSIS

Please analyze your use of technology from a personal and professional perspective. Please circle all that apply.

Professional Use

- Laptop
- Tablet
- Kindle
- Computer Desktop
- Cellphone
- Social media
- Personal cellular wireless device
- Activity tracker or smart watch
- Alarm system
- Online learning platform
- Online video conferencing
- Online gaming
- Gaming console
- Wireless access point
- Spare hardware for testing and training
- Alexis, Echo, Amazon Dot, smart voice activated assistance
- Smart TV
- NEST home controller
- Surveillance cameras
- Virtual reality interface

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WORKSHOP FACILITATORS' BIOS

Jeanette Smith-Perrone, Networking and Cyber Security Faculty, Tacoma Community College

Jeanette Smith-Perrone has earned a CISSP, BSIT, MBA, and Masters in Industrial and Organizational Psychology. She is currently pursuing a doctorate in Psychology. She has 35+ years of experience in providing support and training in information technologies for logistics, legal, healthcare, education, retail, manufacturing, grocery, graphic design, marketing, software development, non-profit and government organizations. At Tacoma Community College, she served as the Program Chair and Faculty for the Networking and Cyber Security Program for the past 9 years. The program today is an expression of her knowledge and experience of how to effectively and gradually guide the unskilled to a skilled professional in a two year foundational program. Today, Jeanette is a full time faculty member at TCC and a seasoned corporate instructor and technology evangelist who enjoys sharing her vast knowledge and experience of Radware products and solutions with her students worldwide.

Dr. Meg Ryan, Independent Consultant

Dr. Meg Ryan, the former director of the Center of Excellence for Global Trade & Supply Chain Management at Highline College, is an independent consultant in efforts to advance workforce education on a statewide effort. Meg's career spans over thirty years of teaching in community colleges, primarily human relations, marketing communication, and international business. She has worked extensively on international educational partnership projects in South Africa, Namibia, and China. She holds a PhD in Educational Leadership and Policy Studies in Higher Education from the University of Washington, Seattle.

WORKSHOP FACILITATORS' BIOS

Linda Crerar, Director CoE Homeland Security Emergency Mgmt.; Pierce College

Linda is an experienced business and government executive with more than 40 years experienced in the private and government sectors in Washington State. She has a Masters in Applied Behavioral Science from Whitworth College in Spokane, WA and Bachelor of Arts from The Evergreen State College in Olympia, WA. Linda currently serves as the Director for the Center of Excellence for Homeland Security/Emergency Management's where she works with the 34 Community and Technical Colleges across the state of Washington and coordinates Center projects to provide outreach in education and training in the HSEM field.

Sam Kaplan, Director CoE Global Trade & Supply Chain Mgmt; Highline College

As a 20-year veteran of the Trade and Development Alliance (TDA) of Seattle, Sam Kaplan spent the last five as the President of the organization. There and during his tenure, Sam was engaged in promoting, connecting and educating individuals on international trade for business in the Greater Seattle region. Sam oversaw the organization, lead the Global Cities Initiative, organized a visit of President Xi Jinping and co-led the efforts to create an International Competitive Strategy for Washington State. With Sam's extensive knowledge, he is also a business owner, managing an international consulting firm, Gittes Global. The firm provides business development, communications and community/government affairs services for businesses and organizations. Global Gittes publishes a weekly newsletter titled, International Need to Know.

In his spare time for leisure, Sam likes to travel and has been all over the world. While traveling, he has had the opportunity to work extensively with Asia and Europe as he worked in his passion for international affairs and trade.

ACKNOWLEDGEMENTS

Dr. Amelia Phillips, Chair, Pure & Applied Sciences, Computer Information Systems/Computer Sciences, Highline College

Dr. Amelia Phillips is a graduate of the Massachusetts Institute of Technology with a BS in Astronautical Engineering and a BS in Archaeology. She received her interdisciplinary PhD in Computer Security at the University of Alaska Fairbanks. After working as an engineer at the Jet Propulsion Laboratory and TRW, Amelia worked with e-commerce sites and began her training in computer forensics and investigations during the dot-com boom. She has designed certificate, AAS and BAS programs for community colleges in e-commerce, network security, digital forensics and cyber-security. Amelia co-authored the textbook Guide to Computer Forensics and Investigations entering its fifth edition. She is the regional director of the PRCCDC (Pacific Rim Collegiate Cyber Defense Competition).

Kellie Hale, Program Manager, CoE-Homeland Security Emergency Mgmt; Pierce College

Since 2012, Kellie has worked at the Center of Excellence for Homeland Security Emergency Management, first as an intern, work-study, and then transitioned as the Special Projects Coordinator. By 2016, she became the organization's Program Manager. In 2014, Kellie earned an Associate's degree in Administrative Assistant: General Office and obtained a certificate in Homeland Security Emergency Management in 2015, both at Pierce College.

Now she is going on her third year at Excelsior College to obtain a Bachelor's degree in Global Business at Excelsior College, then go on for her Masters in Management/Leadership. Her hobbies include writing, reading, music, and surfing the Internet.

ACKNOWLEDGEMENTS

Kaitlin Bermingham, Program Assistant, Center of Excellence - Global Trade & Supply Chain Mgmt; Highline College

Kaitlin has been the Program Assistant for the Center of Excellence - Global Trade & Supply Chain Mgmt for five years. She is the lead organizer for many of the workshops and forums such as the annual Securing the Supply Chain Forum put on by the CoE - GTSCM in conjunction with other organizations and Centers. Kaitlin is dedicated in helping students in the Global Trade & Supply Chain Mgmt field and employer engagement.

ACKNOWLEDGEMENTS

Highline College was founded in 1961 as the first community college in King County. With approximately 15,000 students and 350,000 alumni, it is one of the state's largest institutions of higher education. The college offers a wide range of academic transfer, professional-technical education and applied bachelor's degree programs.

Alumni include former Seattle Mayor Norm Rice, entrepreneur Junki Yoshida and former Washington state poet laureate Sam Green.

Eleven Centers of Excellence (CoE) are flagship institutions that build and sustain Washington's competitive advantage through statewide leadership.

Each Center focuses on a targeted industry that drives the state's economy and is built upon a reputation for fast, flexible, quality education and training programs. A targeted industry is identified as one that is strategic to the economic growth of a region or state.

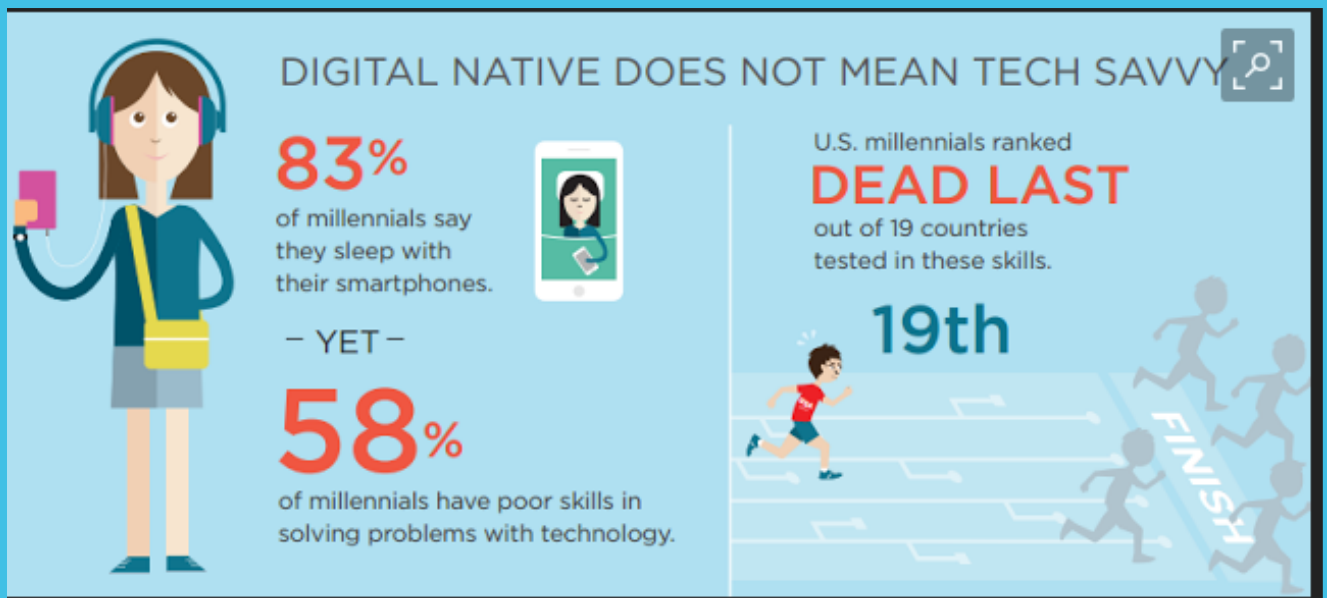For more information about the CoE's, visit https://www.sbctc.edu/for-employers/centers-of-excellence.aspx

RESOURCES

Rethinking Teaching: How K-12 and Higher Education Leaders Can Facilitate Collaborative Learning with Technology
https://media.erepublic.com/document/CDE18_BRIEF_Cisco_V.PDF

Born in Another Time: Ensuring Educational Technology Meets the Needs of Students Today and Tomorrow
http://www.nasbe.org/wp-content/uploads/Born-in-Another-Time-NASBE-full-report.pdf

DIGITAL NATIVE DOES NOT MEAN TECH SAVVY

83% of millennials say they sleep with their smartphones.

– YET –

58% of millennials have poor skills in solving problems with technology.

U.S. millennials ranked **DEAD LAST** out of 19 countries tested in these skills.

19th

FINISH

NOTES