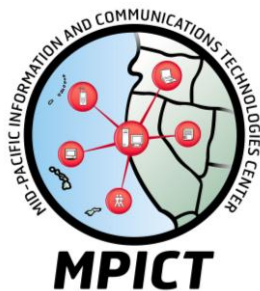


Mid-Pacific ICT (MPICT) Center

Summer 2011
Faculty Development
Week

San Francisco
June 13 - 17, 2011



ICT

The National Science Foundation has provided grant funding to launch the [Mid-Pacific Information and Communications Technologies \(MPICT\) Center](#) to coordinate, improve and promote ICT education, with an emphasis on 2-year colleges, in northern California, northern Nevada, southern Oregon, Hawaii and the Pacific Territories.

Information and Communications Technologies ([ICT](#)) is an umbrella term, widely used outside the U.S. and in the U.N., to encompass all rapidly emerging, evolving and converging computer, software, networking, telecommunications, Internet, programming and information systems technologies.

MPICT's 4.5 day Summer 2011 Faculty Development Week at [City College of San Francisco's Ocean campus](#) will provide:

Five "Train the trainer" tracks to prepare faculty to teach new or improve existing courses or programs:

1. [World Organization of Webmasters: Aligning and Improving Web Curriculum](#)
2. ~~[Fundamentals of Software Assurance](#) - CANCELLED~~
3. [Certified Information Systems Security Professional \(CISSP\)](#)
4. [Introduction to Juniper Operating System \(IJOS\) and Juniper Routing Essentials \(JRE\)](#)
5. [VMware vSphere: Install, Configure, Manage](#)

Three pedagogical tracks to impart new teaching and learning skills:

6. ~~[Transforming Instruction with Problem Based Learning](#) - CANCELLED~~
7. [Designing & Using Innovative, Collaborative & Fun Approaches to Teaching & Learning Online](#)
8. [Delivering High Impact, Hybrid Online/In-Person Courses](#)

This event is free to qualified ICT educators, who may be eligible for **travel cost reimbursements**.

Please see the following pages for more description and details.



TRACK 1: WORLD ORGANIZATION OF WEBMASTERS: ALIGNING AND IMPROVING WEB CURRICULUM

Short Class Description:

This course provides structure, best practices, curriculum, standards, teaching tools, labor market information, standard DOL job descriptions, and certification preparation for faculty who want to create or modify web programs to align with industry best practices. It is supported by the [World Organization of Webmasters \(WOW\)](#), a 12-year-old non-profit professional association dedicated to the support of individuals and organizations who create, manage or market web sites. WOW provides education as well as certification, technical, employment and member advantage services to thousands of aspiring and practicing web professionals worldwide.

Class Description:

What's all the fuss about HTML5 and CSS-3? Although these are not yet fully supported in many browsers, now is the time to begin learning "best practices." Consider what has happened in the past – it was the "wild west" – everyone was doing what they thought best, but with many inconsistencies. As a result, many students were ill-prepared for employment as web professionals, and many sites did not meet minimal web standards. WOW (World Organization of Webmasters) has spent well over a decade promoting web standards and working with many entities and organizations. In conjunction with the U.S. Department of Labor, WOW has also helped standardize web professional position titles (such as web designer, [web developer](#), and webmaster).

As we progress to emerging technologies such as HTML5 and CSS-3, we should focus on "best practices" which will help your students succeed. Come to this track to learn why map-able, stackable and portable web standards-based education is the best solution for your students, and learn how to implement that solution at your school! Walk out of this week with web professional education standards, support for web professional job demand to justify your programs, curriculum aligned to those standards, a pathway to more widely recognized web professional certifications than you have today, teaching tools that you have learned to use, confidence that you are ready to deliver the best web educational services to your community, preparation for a new web professional certification for yourself and an opportunity to take any of the [WOW certification exams](#) **free** as part of the track.

During this course, participants will:

- Learn how to future proof your Web design and development community college program and employ cutting edge techniques today.
- Learn how to customize your web pages so they take advantage of the capabilities of different screen resolutions (ranging from smart phones to tablets, desktops, and TV screens).
- Learn about emerging web fonts, modern web typography and what can be employed today.
- Learn about enhancements to web accessibility and ARIA (Accessible Rich Internet Applications).
- Learn how to employ the new form attributes (with graceful degradation for browsers with limited or no support).
- Learn how to incorporate rich media (audio and video) with graceful degradation in older browsers.
- Learn about current tools and libraries which can be employed to provide support for older browsers.
- Learn why it is now important to develop for mobile devices first (mobile web) and then expand to other platforms.
- Learn how to employ local storage (for devices which support this technology).
- Learn the fundamentals of the <canvas> element and contrast that with SVG (scalable vector graphics).
- Learn about CSS gradients, opacity, transitions, transformations and animations.
- Learn how to work with tools (such as Adobe Dreamweaver) to develop and enhance your web pages.

These, and other “best practices,” will be covered during this week long seminar. Participants are encouraged to bring their own laptop, or lab computers will be provided, to follow along with hands-on sessions. We will be emphasizing web standards throughout the week. Participants will leave with numerous working examples employing these technologies and have a clearer understanding of what can be presented to students today to make them employable professionals tomorrow.

Prerequisites: It is assumed participants in this class have some knowledge of HTML, CSS, and JavaScript (not extensive knowledge, but some exposure).

Instructor Biographical Information:



Mark DuBois serves as the Director of Education for WOW and has been teaching at Illinois Central College for over a decade. He also teaches classes for fellow faculty members every year within the state of Illinois (in May). Prior to 1999, he worked in various roles in Information Technology. He has been working with HTML since 1992. Mark developed his first commercial web site in 1995. He established the first accredited degree in web systems in the U.S. He also established the first accredited degree in rich Internet application development (a full year before the term AJAX was coined). Mark has spoken at various conferences. For example, he gave a full day pre-conference seminar at the 17th International WWW Conference in Beijing in 2008. In May, 2011, Mark will give a week long seminar on HTML5 and CSS3 at the Working Connections Summer Institute. Mark runs a local chapter of WOW and a local Adobe User Group. He is an Adobe Education Leader and received the Adobe AEL Impact Award in 2011.

Blog: <http://www.markdubois.info/weblog/contact/>

Campus web site: <http://www.icc.edu/faculty/facdetail.asp?id=336>



TRACK 2: FUNDAMENTALS OF SOFTWARE ASSURANCE

THIS TRACK HAS BEEN CANCELLED DUE TO LOW ENROLLMENT



TRACK 3: CERTIFIED INFORMATION SYSTEMS SECURITY PROFESSIONAL (CISSP)

Short Class Description:

This class covers information security in depth, including access control, application security, business continuity, cryptography, risk management, legal issues, physical security, and telecommunications and network security. It helps prepare students for the Certified Information Systems Security Professional (CISSP) credential, which is essential for high-level information security professionals.

Class Description:

The [International Information Systems Security Certification Consortium, Inc., \(ISC\)²](#) is the global, not-for-profit leader in educating and certifying information security professionals throughout their careers. Recognized for Gold Standard certifications and world class education programs, (ISC)² provides vendor-neutral education products, career services, and Gold Standard credentials to professionals in more than 135 countries. Its membership includes nearly 75,000 certified industry professionals worldwide.

The [2011 \(ISC\)² Global Information Security Workforce Study by Frost & Sullivan](#), “estimates the number of information security professionals worldwide in 2010 to have been approximately 2.28 million. This figure is expected to increase to almost 4.24 million by 2015, displaying a Compound Annual Growth Rate (CAGR) of 13.2 percent from 2010 to 2015”.

	2010	2011	2012	2013	2014	2015	2010-2015 CAGR
Americas	920,845	1,058,972	1,214,641	1,393,193	1,570,128	1,785,236	14.2%
EMEA	617,271	703,689	796,576	897,741	1,014,448	1,148,355	13.2%
APAC	748,348	830,666	924,531	1,038,248	1,168,029	1,310,529	11.9%
Total	2,286,464	2,593,327	2,935,748	3,329,183	3,752,605	4,244,120	13.2%

“In the Americas, the average annual salary for (ISC)² members was \$106,900 (compared to \$100,967 in 2007). This increase reflects the growing importance being placed on security...”

[Certified Information Systems Security Professional \(CISSP\)](#) was the first credential in the field of information security, accredited by ANSI (American National Standards Institute) to ISO (International Organization for Standardization) Standard 17024:2003. CISSP certification is an objective measure of excellence and a globally recognized standard of achievement.

This class covers information security in depth, including access control, application security, business continuity, cryptography, risk management, legal issues, physical security, and telecommunications and network security. It helps prepare students for the Certified Information Systems Security Professional (CISSP) credential, which is essential for high-level information security professionals.

CISSP certification adds to your value and credibility as an industry professional and professor, and it provides global credibility to your students as security professionals. Students and career changers considering moving into the field of information security, or just starting out in the Information Security workforce, are eligible to become an [Associate of \(ISC\)²](#), something that helps them stand out, even without a lot of work experience as a security professional.

Prerequisite knowledge: networking at the Network+ level and security at the Security+ level.

Free copies of the textbook and free access to the Transcender test preparation software will be provided. Upon successful completion of this course, the student will be able to:

- Explain security and risk management.
- Define and implement access controls.
- Assess application security.
- Plan for business continuity and disaster recovery.
- Apply cryptography correctly to protect information.
- Explain legal regulations and ensure compliance.
- Perform investigations, preserve evidence, and cooperate with law enforcement authorities.
- Explain codes of conduct and ethical issues.
- Maintain security of operations.
- Assess physical and environmental security.
- Design security architecture.
- Explain telecommunications and network security.



Textbook

CISSP All-in-One Exam Guide, Fifth Edition by Shon Harris

ISBN-10: 0071602178

Publisher: McGraw-Hill Osborne Media; 5 edition (January 15, 2010)

Instructor Biographical Information:

Sam Bowne has been teaching computer networking and security classes at City College of San Francisco since 2000. He has given talks at DEFCON and Toorcon on Ethical Hacking, and taught classes and seminars at many other schools and teaching conferences. He taught Ethical Hacking and Network Defense at MPICT's 2009 Faculty Development Week.

Sam has a B.S. in Physics from Edinboro University of Pennsylvania and a Ph.D. in Physics from University of Illinois, Urbana-Champaign. His Industry Certifications include: Certified Ethical Hacker, Microsoft: MCP, MCDST, MCTS: Vista; Network+, Security+, Certified Fiber Optic Technician.





TRACK 4: INTRODUCTION TO JUNIPER OPERATING SYSTEM (IJOS) AND JUNIPER ROUTING ESSENTIALS (JRE)

Short Class Description:

This track offers a special combination of two courses, Introduction to Juniper Operating System (IJOS) and Juniper Routing Essentials (JRE), and it introduces participants to the new, cutting edge Junosphere Classroom virtual lab environment. Participants will receive a **free** voucher (valued at \$150) to Prometric testing centers, so you can get your foundational certification in this exciting technology.

Class Description:

[Juniper Networks, Inc.](#) is a leader in high-performance networking. Juniper offers a high-performance network infrastructure that creates a responsive and trusted environment for accelerating the deployment of services and applications over a single network. This fuels high-performance businesses. Juniper Networks is in the business of network innovation. From devices to data centers, from consumers to cloud providers, Juniper Networks delivers the software, silicon and systems that transform the experience and economics of networking. The company serves customers and partners worldwide.

The [Juniper Networks Academic Alliance](#) program is designed specifically for colleges and universities to offer Juniper Networks Enterprise Networking courses to their students. Certified networking professionals are now in greater demand than ever, commanding higher salaries and adding more value to high-end enterprises. Because of this increased need, Juniper is pleased to provide your school the opportunity to offer your students courseware that aids them in becoming certified in Juniper Networks Junos OS. By establishing your school as an institution that offers the latest in enterprise networking technology education, you will be helping to advance your students' careers in the networking field.

INTRODUCTION TO JUNOS OPERATING SYSTEM (IJOS)

This introductory course provides students with the foundational knowledge required to work with the Junos operating system and to configure Junos devices. The course provides a brief overview of the Junos device families and discusses key architectural components of the software. Key topics include user interface options with a heavy focus on the command-line interface (CLI), configuration tasks typically associated with the initial setup of devices, interface configuration basics with configuration examples, secondary system configuration, and the basics of operational monitoring and maintenance of Junos devices. This course is based on Junos OS Release 10.3R1.9.

Through demonstrations and hands-on labs, students will gain experience in configuring and monitoring the Junos OS and monitoring basic device operations.

Objectives

After successfully completing this course, you should be able to:

- Describe the basic design architecture of the Junos OS.
- Identify and provide a brief overview of Junos devices.
- Navigate within the Junos CLI.
- Perform tasks within the CLI operational and configuration modes.
- Restore a Junos device to its factory-default state.
- Perform initial configuration tasks.
- Configure and monitor network interfaces.
- Describe user configuration and authentication options.
- Perform secondary configuration tasks for features and services such as system logging (syslog) and tracing, Network Time Protocol (NTP), configuration archival, and SNMP.
- Monitor basic operation for the Junos OS and devices.
- Identify and use network utilities.
- Upgrade the Junos OS.
- Perform file system maintenance and password recovery on a Junos device.
- Navigate within the Junos J-Web interface.

Intended Audience & Prerequisites:

This course benefits individuals responsible for configuring and monitoring devices running the Junos OS. Students should have basic networking knowledge and an understanding of the Open Systems Interconnection (OSI) reference model and the TCP/IP protocol suite.

Course Contents

Chapter 1: Course Introduction

Chapter 2: Junos Operating System Fundamentals

- The Junos OS
- Traffic Processing
- Platforms Running the Junos OS

Chapter 3: User Interface Options

- User Interface Options
- The Junos CLI: CLI Basics
- The Junos CLI: Operational Mode
- The Junos CLI: Configuration Mode
- Lab 1: The Junos CLI

Chapter 4: Initial Configuration

- Factory-Default Configuration
- Initial Configuration
- Interface Configuration
- Lab 2: Initial System Configuration

Chapter 5: Secondary System Configuration

- User Configuration and Authentication

- System Logging and Tracing
- Network Time Protocol
- Archiving Configurations
- SNMP
- Lab 3: Secondary System Configuration

Chapter 6: Operational Monitoring and Maintenance

- Monitoring Platform and Interface Operation
- Network Utilities
- Maintaining the Junos OS
- Password Recovery
- Lab 4: Operational Monitoring and Maintenance

Appendix A: Interface Configuration Examples

- Review of the Interface Configuration Hierarchy
- Interface Configuration Examples
- Using Configuration Groups

Appendix B: The J-Web Interface

- The J-Web GUI
- Configuration
- Lab 5 (Optional): The J-Web Interface

JUNOS ROUTING ESSENTIALS (JRE)

This introductory course provides students with foundational routing knowledge and configuration examples and includes an overview of general routing concepts, routing policy and firewall filters, and class of service (CoS). It is based on Junos operating system Release 10.3R1.9.

Through demonstrations and hands-on labs, students will gain experience in configuring and monitoring the Junos OS and monitoring basic device operations.

Objectives

After successfully completing this course, you should be able to:

- Explain basic routing operations and concepts.
- View and describe routing and forwarding tables.
- Configure and monitor static routing.
- Configure and monitor OSPF.
- Describe the framework for routing policy and firewall filters.
- Explain the evaluation of routing policy and firewall filters.
- Identify instances where you might use routing policy.
- Write and apply a routing policy.
- Identify instances where you might use firewall filters.
- Write and apply a firewall filter.
- Describe the operation and configuration for unicast reverse path forwarding (RPF).
- Explain the purpose and benefits of CoS.
- List and explain the various components of CoS.
- Implement and verify proper operation of CoS.

Intended Audience and Prerequisites:

This course benefits individuals responsible for configuring and monitoring devices running the Junos OS. Students should have basic networking knowledge and an understanding of the Open Systems Interconnection (OSI) reference model and the TCP/IP protocol suite. Students should also attend the *Introduction to the Junos Operating System (IJOS)* course prior to attending this class.

Course Contents

Chapter 1: Course Introduction

Chapter 2: Routing Fundamentals

- Routing Concepts: Overview of Routing
- Routing Concepts: The Routing Table
- Routing Concepts: Routing Instances
- Static Routing
- Dynamic Routing
- Lab 1: Routing Fundamentals

Chapter 3: Routing Policy and Firewall Filters

- Routing Policy Overview
- Case Study: Routing Policy

- Lab 2: Routing Policy
- Firewall Filters Overview
- Case Study: Firewall Filters
- Unicast Reverse-Path-Forwarding Checks
- Lab 3: Firewall Filters

Chapter 4: Class of Service

- CoS Overview
- Traffic Classification
- Traffic Queuing
- Traffic Scheduling
- Case Study: CoS
- Lab 4: Class of Service

Labs:

The plan is to run this course on the cutting edge “Junosphere Classroom” virtual Junos environment, the first in the industry. Junosphere Classroom is a component of Juniper Networks Academic Alliance (JNAA), which provides outstanding prepackaged curriculum and resources. Junosphere Classroom is based on Junosphere, a cloud-based environment that enables the creation and modeling of virtual networks using the Juniper Networks® Junos® operating system. Junosphere leverages a new family of virtual routers—Juniper Networks VJX Series—which run the same Junos OS that powers Juniper routing, switching, and security platforms. Offered as a range of software-based services, Junosphere enables customers, partners, and educational institutions to experiment, model, and educate—leveraging the flexibility, cost efficiency, and simplicity of a cloud-based delivery model. These courses will be delivered in a 2+2 day format (normally 1+1) so the educators have a chance to expand their learning by exploring further within the labs.

Instructor Biographical Information:

A Juniper employee will be teaching this track. Biographical information on that instructor will be provided in a future update of this document.

TRACK 5: VMWARE VSPHERE: INSTALL, CONFIGURE, MANAGE

Short Class Description:

This hands-on training course explores installation, configuration, and management of VMware® vSphere™, which consists of VMware ESXi/ESX™ and VMware vCenter™ Server. Upon completion of this course, you can take the examination to become a VMware Certified Professional, at no cost to you. The course is based on ESXi 4.1, ESX 4.1, and vCenter Server 4.1. This ICT workforce knowledge and skill set is in high demand.

Class Description:

Especially in these difficult economic times, organizations are seeking ways to reduce hardware and operating costs for ICT systems. With rising awareness of the global climate change crisis, organizations are also seeking “Green ICT” strategies for reducing the carbon footprints of their ICT operations. Virtualization is a strategy for addressing both concerns, by reducing the number of dedicated servers and their associated capital and operating costs and energy needs by hosting many virtual servers on fewer physical servers. Demand for virtualization solutions, and for a technical workforce capable of implementing and managing them, is currently extremely high. Virtualization knowledge and skills are highly compensated in today’s marketplaces.

[VMware](#) is a market leading virtualization solutions provider. Its [VMware IT Academy Program](#) offers high quality education, training and certification solutions for developing workforce knowledge and skills in virtualization. The [VMware Academic Program](#) is the VMware IT Academy Program focused on public educational institutions.

This hands-on training course explores installation, configuration, and management of VMware® vSphere™, which consists of VMware ESXi/ESX™ and VMware vCenter™ Server. Upon completion of this course, you can take the examination at no cost to you to become a VMware Certified Professional. The course is based on ESXi 4.1, ESX 4.1, and vCenter Server 4.1.

Course Objectives:

After this course, you should gain an understanding of the functionality in VMware vSphere 4 and be able to:

- Install and configure ESX
- Install and configure vCenter Server
- Configure and manage ESX networking and storage using vCenter Server
- Deploy and manage virtual machines
- Manage user access to the VMware infrastructure
- Increase scalability using vCenter Server
- Fault tolerance and power management
- Monitor resource usage using vCenter Server
- Apply patches using VMware vCenter Update Manager
- Manage higher availability and data protection using vCenter Server

Best practices and lab exercises are interspersed throughout the course, which is about 50% lecture and 50% hands-on.

Lab exercises will be conducted via a remote lab setup hosted by [Network Development Group \(NDG\)](http://www.netdevgroup.com) in collaboration with the VMware IT Academy Program. NDG's remote access solution, NETLAB+, enables academic institutions to host remote computing labs comprised of virtual topologies. This course will include an introduction to how you might host or obtain access to a remotely hosted VMware lab. This is an exciting new capability designed to make delivering VMware training more accessible to instructors and engaging to students.

<http://www.netdevgroup.com/solutions/vmware.html>

The target audience for the course is system administrators, systems engineers, and operators responsible for ESXi, ESX, and/or vCenter Server. This "train the trainer" offering is for qualified community college instructors.

Prerequisites: System administration experience on Microsoft Windows or Linux operating systems.

This course normally costs \$2,995 per attendee, but, courtesy of the VMware Academy program, it will cost you nothing as a qualified ICT educator in the MPICT region! The training qualifies you to take the VCP examination, and each attendee will receive a **free** VCP4 exam voucher and a free vSphere 4 Instructor Kit for the Install, Configure and Manage class.

The course will cover VM-based storage configuration, if time allows, and we will be working on remotely accessed virtual servers.

Instructor Biographical Information:



David Patrick is a professor in the Computers, Networks, and Emerging Technologies department at Ohlone College in Fremont, California.

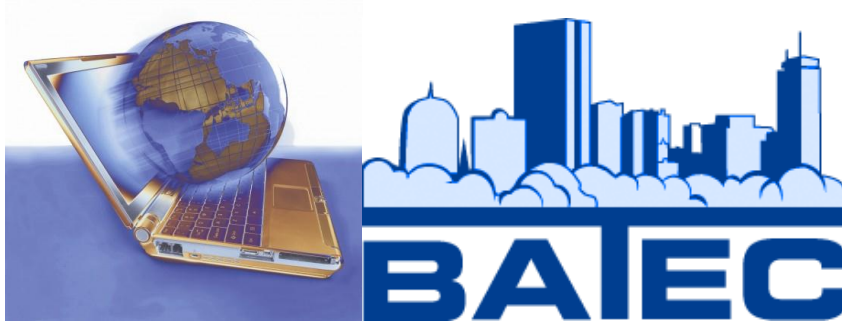
Mr. Patrick has over 40 years of experience as a developer, manager, executive, and instructor in the commercial world. He has worked at IBM, Informix, Aion, and several startups, concentrating on database and expert systems technologies.

Mr. Patrick is currently teaching the Linux and VMware curricula at Ohlone College.



TRACK 6: TRANSFORMING INSTRUCTION WITH PROBLEM BASED LEARNING

THIS TRACK HAS BEEN CANCELLED DUE TO LOW ENROLLMENT



TRACK 7: DESIGNING & USING INNOVATIVE, COLLABORATIVE & FUN APPROACHES TO TEACHING & LEARNING ONLINE

Short Class Description:

This highly interactive, hands-on track provides instructors with experiences and tools for making online courses more fun, interactive and engaging! It is provided by experts from [Boston-area Advanced Technological Education Connections \(BATEC\)](#), an NSF ATE Regional Center, like MPICT.

Class Description:



Despite the prevalence of e-learning, recent data show that most online instruction is composed of seatwork and whole-class instruction led by the teacher. Often, students become bored or distracted, their attention wanders, and their learning and class performance suffers. As online instruction grows in importance, it is increasingly important to find and use ways of keeping online students focused and engaged.

This very hands-on workshop in a computer lab will help you explore and leverage the power on low-cost, collaborative tools used to enhance online instruction and increase student enjoyment and engagement. You will work through a series of design challenges to fundamentally re-think how effective online instruction is developed, delivered and received. You will walk away from this track with not only a toolkit for increasing online engagement, but you will pick up useful course management methods and materials.



fun

Join this track to experience how online teaching and learning can be fun, engaging and effective – for you and your students!

Participants will:



- Practice using powerful social media tools and leverage these tools to increase student engagement in courses conducted both on-site and online
- Design innovative and engaging online modules, lessons and projects using low-cost and open-source tools (Voicethread, Google docs, Office Live, Lynda.com, LinkedIn.com, Skype and many others)
- Understand the online experience from both the instructor and student perspectives and how to leverage this insight to better track and assess performance
- Identify innovative pedagogical solutions and approaches that foster greater group and team collaboration online
- Use formative and summative data and information to enhance instruction and improve student performance

Textbook: none

Prerequisites: none

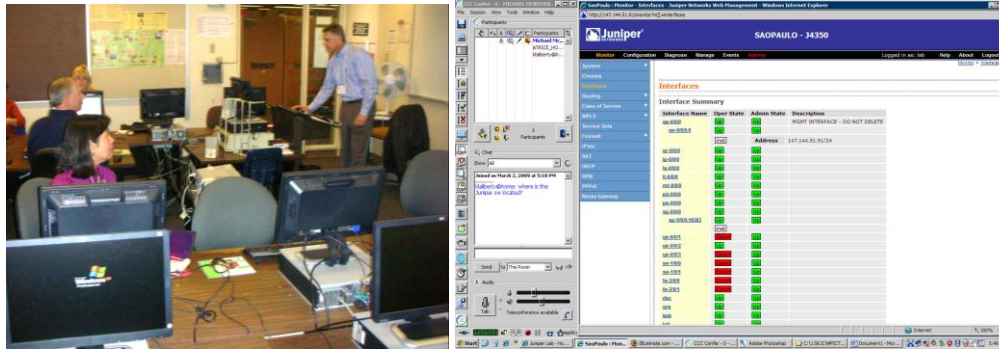
Instructor Biographical Information:



Lori Weir received a BS from Salem State University and a M.Ed. from Lesley University. She holds two professional licenses from the Commonwealth of Massachusetts, one in Instructional Technology one in Business Management. She instructed in the Business Education Department at Salem State University and served as an Instructional Technology Specialist for the Winchester Public Schools in Winchester, MA. For the past twelve years she has been a faculty member at Middlesex Community College developing and instructing face-to-face and online courses and; in the role of Information Technology Program Coordinator she is engaged in the design and direction of program, curricula and professional development. She is a member of MassCUE and ASCD and she received the Massachusetts Colleges Online Course of Distinction, “COD” Award in 2009. Lori has been with BATEC since its inception in 2004 and had been MCC’s Team Leader since 2010.



Joyce LaTulippe is a leader in IT innovation who serves as BATEC’s Curriculum Director. She has a BA from Wheaton College and a MEd from Harvard Graduate School of Education. She conducts workshops and speaking engagements on the topics of e-learning and instructional design, communities of practice, problem-based learning and authentic assessment. She currently directs the curriculum and professional development activities of educators as part of several National Science Foundation (NSF) initiatives and grant-funded projects sponsored under the American Recovery Reinvestment Act (ARRA) and Math Science Partnerships (MSP). The former Distance Learning Manager for the University System of Southern New Hampshire, she has been engaged in the creation, development and scale of interactive online courses, curricula and training environments. Her innovative design solutions have been developed in tandem with leading textbook publishers and IT companies including Co-nect Schools and divisions of Houghton Mifflin, International Thomson Higher Education, Harcourt, Sun Microsystems, Microsoft Corporation and others.



TRACK 8: DELIVERING HIGH IMPACT, HYBRID ONLINE COURSES

Short Class Description:

This very hands-on track develops you as a professional educator able to deliver high quality course experiences simultaneously to both in-person and on-line students. It uses the [Blackboard Collaborate](#) platform, which is available free to California community colleges as [CCC Confer](#), but these lessons and experiences are transferable to other platforms, like Webex, Adobe Connect or Wimba.

Class Description:

Even in good economic times, it is difficult for a single ICT related program to justify many advanced or specialized courses. Often, the equipment and instructor development costs are high, and the student demand at one school may not be large or regular enough. In these difficult economic times, many courses are being cut, especially those that are more specialized and advanced and which do not routinely fill. Many students are being stranded, unable to get the course(s) at a given school they need to get the credential they seek in their careers.





Spring semester, [MPICT featured](#) 17 courses offered by community college instructors like you teaching ICT courses from single schools and making them available to students from many schools. Courses are delivered in a [hybrid format](#). Students who could attend on time and in person received instruction by a professor, in person. Those who could show up on time on the Internet (from any computer, using any operating system or browser at any network connection speed) interacted with the class in real-time remotely. Students unable to show up on time had access to class archives. Remote access to real lab equipment was integrated to provide real experiences. Online office hours allowed personalized attention to students anywhere.

To do this, we used the Blackboard Collaborate (formerly [Elluminate](#)) platform, offered free to California community colleges with value added services as [CCC Confer](#), but this track would be valuable to teachers with access to similar solutions, like [Webex](#), [Adobe Connect](#) or [Wimba](#). Basically, we want to build the capacity of community college teachers in the MPICT region to be able to make productive use of outstanding platforms like these to improve remote ICT courses. In time, we may be able to use these tools and talents to deliver more and better ICT education in the region, in spite of education funding cuts.

These technologies blow the walls off of physical classrooms, allowing you to reach and serve students anywhere!

Days one and two will cover how to use CCC Confer to deliver courses in this manner, provide online, interactive office hours, hold virtual meetings, conduct webinars, use value-added services provided by CCC Confer, utilize additional platform capabilities, like [Publish](#) and [Plan](#), convert session archives to podcasts for distribution in video and mobile device formats, and become a successful online moderator and instructor. Using methods developed by the [CREATE Technical Teacher Training Center](#) for its Teaching Skills and Teaching Demonstrations workshops, days 3 and 4 will be spent largely using Elluminate and what you have learned to deliver successful course modules. It will cover [MPICT's free Distributed ICT Education Toolkit](#), with practical advice and tips for how to deliver hybrid in-person/online ICT courses successfully, for example by integrating remote access to real laboratory equipment into courses. The entire track will include **lots** of hands-on experience. This is very much a learn-by-doing, experiential learning track. Friday, we will submit your recorded instructor sessions, and you will take an online test, to **earn a CCC Confer Moderator Certification at no charge!**

Instructor Biographical Information:

	<p>Blaine Morrow, Director of 3C Media Solutions and CCC Confer, two statewide technology projects serving California Community Colleges, has been a technology director for four districts and has served on the faculty of Michigan State University, Palomar College and Wayne State University. Blaine has written four books and more than thirty journal articles related to informational technology.</p>		<p>Michelle Taramasco has been Client Services Manager for CCC Confer since its 2001 inception. She and her team have received special recognition for outstanding customer service to all 110 campuses system-wide. They offer in-person and on-line training, as well as technical support for CCC Confer users. Michelle's background includes more than 25 years of extensive marketing, public relations, sales and customer service.</p>
	<p>Michael McKeever has been a full-time faculty member at (MPICT Regional Partner) Santa Rosa Junior College since 2001, when he was hired to build SRJC's Computer Networking program. Lead for the SRJC Cisco Regional Networking Academy and CREATE CATC instructor, he also developed and teaches Computer Security, Client/Server and Forensics courses. In 2009, he taught the Cisco Security track at MPICT's Faculty Development Week. He led a similar track at the 2010 MPICT Faculty Development Week. Michael has been actively using CCC Confer for years and is considered an Elluminate teaching expert. He has a B.A. in Economics from U.C. Santa Barbara and spent 15 years in Audio/Video pre-, live, and post-production.</p>		<p>Grace Esteban is MPICT's Technology Program Coordinator. A "Tech Junkie," she believes technology can solve today's educational challenges. Grace is a founder of Asian Professional Women in Technology (APWT), a non-profit based in Mountain View. She also manages the Internship program of the Department of Computer Networking and Information Technology (CNIT) at City College of San Francisco. It facilitates student learning opportunities outside the classroom, providing students the opportunity to apply classroom theory to "real world" situations, enhancing their academic and career goals. Grace has a Master's Degree in Instructional Technology at San Francisco State University and a Bachelor's Degree in Mass Communication at Polytechnic University of the Philippines.</p>

MAPS AND DIRECTIONS

Driving:

From the North Bay:

- Highway 101 South Across the Golden Gate Bridge
- Take Park Presidio Blvd South Through Golden Gate Park
- Emerge from Park on 19th Avenue and Turn Left at Stern Grove on Sloat Blvd
- Turn Left on Ocean Avenue and Left again on Phelan Avenue

From the East Bay or Downtown San Francisco:

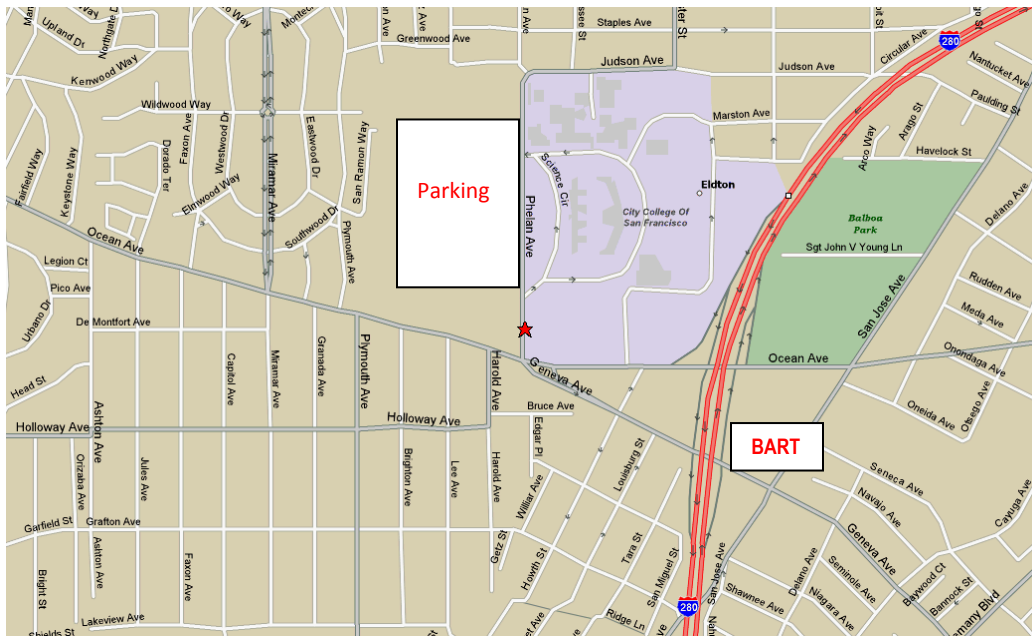
- Interstate 80 West Across the Bay Bridge
- Take Highway 101 South
- Highway 280 South
- Take Ocean Avenue Exit and Turn Right on Phelan Avenue

From the South Bay:

- Northeast Interstate 280
- Take Geneva Avenue Exit
- Follow Geneva onto Phelan Ave
- Highway 101 North
- Interstate 280 Southwest
- Take Ocean Avenue Exit
- Turn Right on Phelan Avenue

By BART or MUNI Public Transportation (Recommended):

The main campus, located at the intersection of Ocean and Phelan Avenues, is easily accessible by [Muni](#) and [BART](#). Muni buses that stop by the campus are **#15, #29, #36, #43, #49, and #54**. The “K” streetcar from any downtown BART/MUNI station stops on Ocean Ave. BART stops at the [Balboa Park Station](#), which is three blocks from the campus. Muni #15, 29, 36, and 43 also connect with the Balboa Park Station.



STIPENDS AND EXPENSE REIMBURSEMENTS

We know travel budgets and permissions are tight in this difficult economic climate.

To help Bay Area faculty attend, benefit from and share the benefits of these excellent faculty development opportunities, the Mid-Pacific ICT Center will pay you a **\$250 stipend** if your employer community college is **within 50 miles of San Francisco**.

To be fair to faculty in the Mid-Pacific ICT Center region who would have to travel further and spend more money to attend, and to incent attendance by faculty further away, MPICT will **reimburse up to \$1,500 of the reasonable air, mileage (@ \$0.50/mile), train and/or hotel travel expenses** of qualified faculty whose employer community college is **> 50 miles from San Francisco**. GSA limits the hotel room rate to \$150 per night (excluding taxes). Breakfast and lunch are provided all days. MPICT does not provide or reimburse dinner.

To be qualified for a stipend or expense reimbursement, you must be a faculty member in good standing at an [ICT-related department at a community college in the Mid-Pacific ICT Center region:](#)

- northern California,
- northern Nevada,
- southern Oregon,
- Hawaii or
- the Pacific Territories.



To receive your stipend or expense reimbursement, you must:

- apply and be accepted to attend Faculty Development Week training,
- attend and sign in for all days of your Faculty Development Week track,
- complete any required contract documents, and
- submit qualified receipts - for reimbursements.

Stipends and expense reimbursements are offered in good faith, on a first-accepted-to-attend/first-received-by-attendeo basis.

Anyone who applies and gets accepted to the MPICT Summer 2011 Faculty Development Week, does not attend and does not formally cancel attendance by May 30th agrees to pay the regular event **cancellation fee of \$500**.

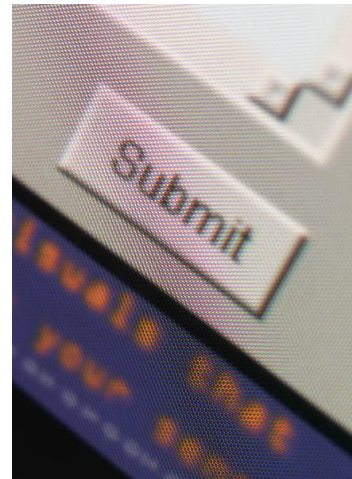
If you have any questions about stipends or expense reimbursements, please call (415) 239-3600 or email info@mpict.org.

APPLY TO ATTEND

To apply to attend the Mid-Pacific ICT Center Summer 2011 Faculty Development Week, please complete and submit the application form at www.mpict.org/form.html.

You should receive an email communication back from us within 2 business days of your submission. If you do not, please call (415) 239-3600 or email info@mpict.org.

Registration is for qualified community college faculty in ICT related programs in the MPICT region, on a first-come/first-served, space available basis. Non-qualified registrations will be wait-listed and are not eligible for stipend or expense reimbursement.



OVERNIGHT ACCOMMODATIONS



There are really no hotels close to the City College of San Francisco (CCSF) Ocean campus, where the MPICT Summer Faculty Development event is being held. However, there are hundreds of great hotels in San Francisco, and San Francisco is a truly wonderful city. You are welcome to stay anywhere that appeals to you. To make this event possible for as many as possible, and to be reimbursed, however, please keep per night expenses under the GSA rate of \$150 per night (not including taxes).

If you would like to stay in a hotel in San Francisco, we recommend that you stay near [BART](#), the train system that provides the fastest, most convenient and safe public transportation from the airport and to the CCSF Ocean campus.

For those who like “Old World Charm with Unique Décor” and don’t mind street noise we recommend the Union Square area properties of [Personality Hotels](#) – except for the Hotel Metropolis, which is in a borderline neighborhood.

For those who like mainstream, name brand comfort, we recommend, also in the Union Square area, the [Hilton San Francisco](#).

All of these properties are easily accessible by public transportation from the airport, BART, [CalTrain](#) or [MUNI](#). There is a great tourist information center at the nearby [Powell Street BART station](#), and there is plenty of shopping, nightlife and activity for stimulation there.

