CSSIA CONNECTS

NATIONAL RESOURCE CENTER FOR SYSTEMS SECURITY AND INFORMATION ASSURANCE

Calling All Cyber Security Students

The NCL, an excellent training ground for CCDC teams, provides opportunities to identify team deficiencies/inadequacies and benchmarking skills against competitors. Learn more about the NCL, go to *nationalcyberleague.org*.

Cisco Academy Conference

More than 50 Illinois and Indiana Cisco instructors gathered at Moraine Valley Community College for a Cisco Academy Conference in May. The participants engaged in a full day of informative sessions on packet tracer, CCNA Security, ITE, Academy Evolution, VMware/Cloud Computing and Network Security. John Sands, Department Chair for Computer Integrated Technologies at Moraine Valley, coordinated this event to further educate and advance the Cisco instructor community.

National Cyber League in Full Swing

The pilot season of the National Cyber League (NCL) is moving full speed ahead. In April, the NCL started training undergraduate and graduate students to hone their cyber security skills through weekly combined individual and team exercises. The pilot is a six-week regular season of virtual exercises and head-to-head competitions with 24 teams from schools that mostly participated in Collegiate Cyber Defense Competition. This virtual competition is using the same operating systems and network devices as the face-to-face competition with students only needing Internet access and a web browser. The supporters of this year's NCL pilot season are CSPRI, CSSIA, CyberWatch Center, CyberWatch West, MPICT, CISSE, CompTia, Cypherpath, DC3, NSF and NDG.

For more information., *www.nationalcyberleague.org*

National Resource Center for Systems Security and Information Assurance, Mid-Pacific ICT Center and Cyber Watch West.
Industry and government sponsors have opportunity to observe talent to match their cyber security needs

In-kind support, direct involvement and monetary sponsorships provide sponsors access and interaction to some of the best and brightest young cyber security talent at the National Cyber Leagues competitions. In the future, NCL would like sponsorships to assist with tailoring competitions for specific industry needs, testing new products and gaining experience with specific vulnerability scenarios. NCL would also like to provide ways to directly link particular skills, individual cyber warriors and track progress over time so employers will be able to develop and identify specific talents matching their needs. For more information, contact Dr. Dan Manson at *dmanson@csupomona.edu*.

Moraine Valley Community College
Changing Lives for a Changing World

Collaboration in Lab Rollout

The National Science Foundation, Network Developing Group and the National Resource Center for Systems Security and Information Assurance have forged ahead through a collaborative project completing 16 extensive high-end virtualized Security+ labs. The roll out of these comprehensive labs is expected to take place at The Colloquium for Information Systems Security Education (CISSE) conference June 12-13 in Lake Buena Vista, Fla.

Jesse Varsalone, author of *Defense against the Black Arts: How Hackers Do What They Do and How to Protect against It*, played a major role in the development effort with the Security+ labs. Varsalone will be at CISSE for a book-signing event.

NVC Provides Insight and Direction

The National Resource Center for Systems Security and Information Assurance (CSSIA) was honored to have its National Visitation Committee (NVC) gather at Moraine Valley Community College in March. Through the NVC's commitment and dedication to CSSIA, a new foundation for a future vision has been gained. As the National Resource Center, the knowledge, skills and abilities in cyber security will continue to grow through virtualized learning technology and technician workforce advancement. The insight and direction the NVC provided will continue to assist CSSIA with current and future partnerships in further expansion and achieving broader impact on workforce needs through innovative ideas and technologies.

St. Cloud State University, Minn. 1st place

Midwest Regional Collegiate Cyber Defense Competition Results

DePaul University, Ill. 2nd place
Century College, Minn. 3rd place

The Midwest Regional Collegiate Cyber Defense Competition at Moraine Valley Community College in March hosted eight teams that won their state CCDC event. These students competed using CSSIA's Virtualization Data Center, a one-of-a-kind lab with more than 300 virtual servers. St. Cloud University's 1st place win qualified the team to participate in the National CCDC.

Since MWCCDC students bring a more experienced skill set to their jobs upon employment, CSSIA held an Industry Job Fair at the end of the event. An important outcome of MWCCDC is job recruitment. Businesses were welcome to observe and interview cyber security candidates. Deloitte and Touche, LLP, sponsored a pizza party during the job fair and additional sponsors set up booths to discuss career options with participants.

Thank you to MWCCDC sponsors!

U.S. Navy's Space and Naval Warfare Systems Command

![SPAWAR Systems Center ATLANTIC]

The Space and Naval Warfare Systems Command (SPAWAR), the Navy's Dominance Systems Command, is fully committed to supporting the achievement of the navy's mission and is dedicated to serving the fleet. As one of the three Department of Navy major acquisition commands, this means acquiring, installing, delivering and maintaining advanced information technology capabilities to the fleet, regardless of platform, to keep war fighters one step ahead of adversaries. *public.navy.mil*

U.S. Army INSCOM Cyber Brigade

The INSCOM Cyber Brigade is being formed with the best and brightest cyber professionals recruited from throughout the U.S. This new unit comprised of civilian and military cyber warriors—working from fixed, remote, and expeditionary locations around the world will introduce added capacities to the US arsenal of defense and response capabilities. These elite cyber professionals will design, plan, collect, analyze, exploit, and conduct full-spectrum cyberspace operations, as well as support and enable defensive cyber operations. *cyberspaceskills.com*

EC-Council

The International Council of E-Commerce Consultants (EC-Council) is a member-based organization that certifies individuals in various e-business and information security skills. It is the owner and creator of the world famous Certified Ethical Hacker (CEH), Computer Hacking Forensics Investigator (CHFI) and EC-Council Certified Security Analyst (ECSA)/License Penetration Tester (LPT) programs, as well as many other programs that are offered in over 60 countries through a training network of more than 450 training partners globally. *eccouncil.org*

Dell SecureWorks

Dell SecureWorks focuses exclusively on security services to protect thousands of customers around the world. Dell Inc. (NASDAQ: DELL) listens to customers and delivers worldwide innovative technology and business solutions they trust and value. Recognized as an industry leader by top analysts, Dell SecureWorks provides world-class information security services to help organizations of all sizes protect their IT assets, comply with regulations and reduce security costs. *secureworks.com*

![DELL SecureWorks]

WOMEN IN TECHNOLOGY

The Women in Technology mentoring group is continuing its rapid growth by inviting high school students to the fall dinner in October at Moraine Valley Community College. Angela Spyropoulos , adjunct faculty at Moraine Valley and Women in Technology director, and Peggy Heenan, Admissions and Outreach Representative at Moraine Valley, will work together to attract more young women in high school to pursue technology careers. This effort will help support more students by providing role models with real-life experiences to help lead them through successful educations and careers that are nontraditional for their gender. To learn more about this program, visit *morainevalley.edu/cad/nsfmentors.htm*.

Students Speak

"Overall, I thought the event was handled very well and all of the Gold and White team members were friendly and helpful."

"Very well run and organized."

"This was probably one of the most well-run CCDC events I've been to in a while"

"MWCCDC provides an unparalleled immersive educational experience for students considering information security careers. Students who compete in CCDC are consistently more effective than their peers at applying concepts taught in the classroom to their work. Regional CCDC events also allow vested industry partners to connect with each other, with educators and with students seeking mentors as they embark on a new career."

Rudy Ristich
Red Team
Dell SecureWorks

"For the Midwest competition we tried to not only make this a test of the students' skills, but lead them through an experience and add to their skills and knowledge as well. The competition activities were designed to build upon one another within the context of a typical business scenario. We were fortunate to have a very good White team to try this with and I think the students left with more than simply competing."

Doug Huber
White Team
Loraine County Community College

Cyber Defense and Disaster Recovery

Nearly 200 security professionals gathered in early March for the annual Cyber Defense and Disaster Recovery Conference, hosted by the University of Illinois Springfield in partnership with CSSIA and InfraGard Springfield Members Alliance. Participants came from Illinois, Indiana, Missouri, Iowa Tennessee and Ohio to discuss our increasing dependence on well-behaved computers that are now involved in everything from our basic privacy to life-critical systems.

In addition to hands-on SANS training offered throughout the day, there were 14 sessions with two keynote speakers, Mandiant's Dan McWhorter ("Accepting and Building a 'Bend But Don't Break' Defense") and Rod Kinghorn, GM Global Security ("Your Automobile, the Rolling Computer: Risks and Rewards").

"I look forward to attending this event every year," said Julius Fingerle, from Ohio. "I always gain advanced technical knowledge along with a new perspective I hadn't considered before."

Many small businesses typically do not have specialized staff knowledgeable in addressing computer security issues. This may be the only professional development that many of them are able to attend in a year. The conference has maintained a commitment to keeping the registration fee low, largely made possible thanks to the donation of time and travel costs by the speakers.

The Cyber Defense and Disaster Recovery Conference is ready planning for next year's event set for March 8, 2013, when the theme will be Mobile Security.

CSSIA
NATIONAL RESOURCE CENTER FOR SYSTEMS SECURITY AND INFORMATION ASSURANCE

CSSIA Virtualization Data Center

CVDC's Various Components:

- Higher Education Skills Competitions
- Two-Year Student Cyber Skills Competitions
- High School Security Competitions
- Online Skills Learning Laboratory
- Cyber Skills Lab Exercise Strategy
    - CNSS 4011
    - Security +
    - Cyber Events
    - Forensics
    - CCNA Security
    - VMWare Academy
    - EMC Academic Alliance
    - Collegiate Cyber Exercise Events
- Faculty Development (Train-the-Trainer)

The CSSIA Virtualization Data Center is a systems integrated network, using technologies from the following vendors:

NDG NETLAB+ Access and Content Management

VMware Virtualization Technology

Cisco Systems Network Technology

Dell Server Hardware

Regional VMware IT Academy

vmware®

The VMware IT Academy recently named CSSIA as a VMware Regional Academy to assist with helping other schools achieve the high level of professionalism in their VMware IT Academy Program. In this capacity, CSSIA will continue to offer faculty from colleges and universities to participate in instructor training workshops to prepare them to deliver courses in VMware. CSSIA will provide certifications stating participants satisfied the requirement as determined on behalf of VMware, Inc. If interested in hosting a VMware faculty development, contact Lynn Dohm at lynn.dohm@morainevalley.edu.

CSSIA Distance Training Center

VMware, EMC and Cisco Academies have partnered with CSSIA to start the CSSIA Instructor Training Center (CITC). Starting in August, the CDTC will run year-round, synchronously-led training classes on cyber security, VMWare, EMC and Cisco Academies. All participants of the faculty development trainings will have access to the NETLAB+ labs during and after sessions. CSSIA affiliates will receive a tremendous savings. Keep posted on CDTC updates at **cssia.org**.

EMC Academic Alliance partnering with CSSIA

EMC² Academic Alliance PROVEN

The EMC Academic Alliance (EAA) has partnered with CSSIA to enable the national resource center to support existing and prospective EAA faculty. CSSIA will be providing instructor-training workshops to prepare others to deliver open courses under the EAA program.

The EAA, in collaboration with colleges and universities worldwide, offers unique open curriculum-based education on technology topics such as virtualization; cloud computing, big data analytics, and information storage and management. The open curriculum focuses on technology concepts and principles applicable to any vendor environment, enabling students to develop highly marketable knowledge and skills required in today's evolving IT industry.

To learn more about EMC, visit **emc.com**.

UIS

UIS continues to grow through online courses

Computerworld recognized The University of Illinois Springfield (UIS) as one of the first institutions to bring computer science training online, beginning in 2006. Today, online enrollments at UIS in its undergrad and graduate computer science programs exceed on-campus enrollments.

CSSIA—
Making Certifications Happen

"We have been notified that the National Security Agency (NSA) has approved Santa Fe College Networking program to be NSTISSI 4011 certified. I wanted to take a moment to personally thank you for your support and guidance getting this project off the ground.

I also want to express my gratitude to Susan Sands for helping us work through the process and everyone that helped make this first step in our journey possible. And especially to you and your grant at Moraine Valley for sponsoring some of the cost of the research and help in the application process.

We are very excited about the world of new opportunities this program will open for our students in this critical and exciting field and we are all looking forward to the next step! Your leadership and guidance are truly appreciated."

Jorge Ibanez
Santa Fe Community College

"I was notified today that the National Security Agency (NSA) has approved our Networking program to be NSTISSI 4011 certified. Special thanks to Susan Sands and Wally Eaton for helping us work through the process. Definitely appreciate John Sands and his grant at Moraine Valley for sponsoring some of the cost of the research and help in the application process. We joined an elite group of mostly universities around the country in achieving this certification. This designation will also enable our students to apply for grants through the Department of Defense Information Assurance Scholarship Program and the Federal Cyber Service Scholarship for Service Program."

Ernie Friend
Florida State College

CONFERENCES

July 9-13
Working Connections
Frisco, Texas

July 23-26
High Impact Technology Exchange Conference
Denver, Colo.

July 26-29
DEF CON
Las Vegas, Nev.

Oct. 16-18
National Career Pathways Network
Richmond, Va.

Oct. 24-26
ATE PI Conference
Washington, DC

Oct. 28-31
STEM tech
Kansas City, Mo.

Nov. 29-Dec. 1
Association for Career and Technical Education
Atlanta, Ga.

CALENDAR OF EVENTS

June 22-July 13
CCNA Network Security
Bunker Hill Community College, Boston, Mass.

June 25-29
Cisco IT Essentials
Moraine Valley Community College, Palos Hills, Ill.

July 6
CCDC Prep Series: NMAP
Moraine Valley Community College, Palos Hills, Ill.

July 9-13
Cisco CCNA Discovery 1 and 2
Madison Area Technical College
Madison, Wis.

July 9-13
2012 Summer Working Connections
Collin College, McKinney, Texas

July 9-13
VMware vSphere Install, Configure, Manage (ICM) V5.0
Collin college, McKinney, Texas

July 9-13
Security+
Collin College, McKinney, Texas

July 13-27
VMware vSphere Install, Configure, Manage (ICM) V5.0
New Hampshire Technical Institute, Concord, N.H.

July 16-20
CCNA I, Exploration/Discovery
Moraine Valley Community College, Palos Hills, Ill.

July 19-20
NetLabs User Community Meeting
Moraine Valley Community College, Palos Hills, Ill.

July 20-Aug. 3
VMware vSphere Install, Configure, Manage (ICM) V5.0
TRECA, Marion, Ohio

July 30-Aug. 3
CCNA II, Exploration/Discovery
Moraine Valley Community College, Palos Hills, Ill.

Aug. 6-10
Information and Storage Management
Virtual Session

Aug. 6-10
CCNA III, Exploration/Discovery
Moraine Valley Community College, Palos Hills, Ill.

Aug. 10-24
VMware vSphere Install, Configure, Manage (ICM) V5.0
Bunker Hill Community College, Boston, Mass.

Aug. 13-17
CCNA IV, Exploration/Discovery
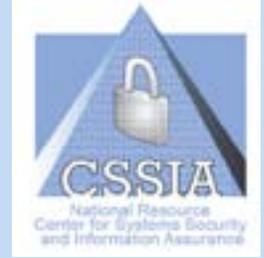Moraine Valley Community College, Palos Hills, Ill.

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Teaching Technicians
Keep up-to-date on the latest faculty development workshops.
Visit **teachingtechnicians.org**.

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Learn more about CSSIA! **cssia.org**

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