CSSIA CONNECTS

National Cyber League Established

A collaborative effort has been undertaken to establish a National Cyber League (NCL) whose mission is to provide students opportunities for meaningful competitive activities beyond that of the Collegiate Cyber Defense Competition (CCDC). While helping students to better prepare for the CCDC, the NCL intends to offer its own independent series of competitive events with the same goal of wider participation.

The NCL is a collaborative effort of CSSIA in partnership with Cyberwatch, Cyberwatch West, and Mid-Pacific ICT Center (MPICT). By working together, the partners of the NCL are building a virtual cyber stadium suitable for wide deployment of student competitions.

CALL FOR ALL STUDENTS…NCL CONTEST!

The NCL kickoff features a student contest of cyber skills allowing a first look at the NCL Stadium. The contest is expected to begin April 2012. A pilot series of competitive exercises is planned for spring 2012. For more information, visit *nationalcyberleague.org*.

CSSIA Accepting Applications for the 2012 Midwest CCDC

2012 Collegiate Cyber Defense Competitions (CCDC) plans are rolling into action thanks to the Competition Industry Advisory Board bi-monthly meetings to brainstorm, assess and implement another rewarding event. The Midwest State and Regional Competitions have been sponsored by the National Resource Center for Systems Security and Information Assurance (CSSIA) since 2006. Two-year and four-year colleges and universities are putting together their top tech-savvy students to form teams to compete. These teams will build and defend their mock production business infrastructure from professional "hackers" who are given the challenge to take each team's production systems offline and breach their security. While the teams work hard to fend off "hackers," the competition judging staff will deploy network enhancement and upgrade challenges to teams, judging team's performance, scoring and supporting the overall event.

Illinois, Indiana, Iowa, Michigan, Minnesota, Ohio, and Wisconsin are already buzzing with Midwest CCDC excitement as applications start rolling in. CSSIA will accept applications this fall. No previous competition experience is needed. To learn more about the CCDC, contact David Durkee at *ddurkee14@oh.rr.com* or **(440) 488-0331**. *mwccdc.org*

MWCCDC on facebook & twitter

Sponsorship Opportunities Available for Midwest Regional Collegiate Cyber Defense Competitions. For inquiries, contact David Durkee at ***ddurkee14@oh.rr.com*** or **(440) 488-0331**.

High School Cyber Security Competition Faculty Development

CSSIA's High School Cyber Security Competitions' success in 2011 has prompted the planning phase to begin for 2012. These two-hour virtual meetings will be held every Friday from 3-5 p.m. CST for 8 weeks (excluding Oct. 28 and Nov. 25) and is a training program for high schools interested in participating in the spring 2012 high school competitions. The staff of CSSIA will work with faculty on the skills that the students need to prepare for the competition, orientation on using the virtual environment, and will provide information related to the operation of each local competition. This is an essential training session for any high school interested in forming a cyber security team and interested in competing in the 2012 competition. No previous competition experience is required. For more information, contact John Sands at **(708) 955-5426** or *sands@moraine-valley.edu*. For more information on HSCSC, visit ***compete.moraine.edu***.

Women in Technology
The Women in Technology mentoring group will meet Friday, Oct. 21, at Moraine Valley Community College, Palos Hills, Ill. Women who participate in this mentoring group are offered real-life information, experience and advice from others. For information about this program or to attend a meeting, contact Angela Spyropoulos, program coordinator, at *spyropoulosa@morainevalley.edu*.

Forensics Digital Exercise

InfraGard Springfield will invite full-time students from Illinois community colleges and universities to participate in a Forensics Digital exercise Nov. 12, at University of Illinois Springfield. This day-long exercise is a mentoring opportunity for students and will introduce core concepts regarding forensics. An instructor-led session will introduce forensic concepts and demonstrate implementation using both open-source forensics tools and EnCase. Forensic concepts will be combined in an industry scenario, and students will subsequently be challenged to use the tools they've explored to meet forensic objectives. Teams of three students from community colleges and universities across the state of Illinois will be mentored with Forensic professionals and FBI. InfraGard Springfield has partnered with CSSIA and the Computer Science Department of the University of Illinois Springfield on this event. For more information, contact Janis Rose at *rose.janis@uis.edu* or **(217) 206-8246**.

Girls Camp Rules!

After another successful Girl Tech camp this summer, University of Illinois Springfield (UIS) is raising the bar for next year's camp, which will be held June 14 and 15. This technology-teaching conference will include robot construction, Girl Tech Idol with homemade animated characters, jewelry-making with parts of discarded computers, molecular gastronomy, You Star (digital movies), possible mini-sessions for origami and T-shirt design, along with other age-related activities. Seats fill up quickly, so enroll soon. For more information, contact Mary Sheila Tracy at *mtrac1@uis.edu* or **(217) 206-7328**.

Girl Tech Camp 2011 provided young ladies the opportunity to learn more about robotics.

Train-the-Trainer
CSSIA Educates a Multitude of Instructors

CSSIA's establishment of successful train-the-trainer programs is continuing the trend of significant expansion. Instructors provided by CSSIA and several community colleges, travel throughout the country to educate other instructors in Forensics, CCNA Security, CISSP, VMware, Ethical Hacking and more. This faculty development program trained well over 250 instructors in summer 2011 allowing attendees to provide their institutions with the opportunity to run these curriculums in their fall schedules. CSSIA makes the training as simple as possible on hosting institutions with them only needing to accommodate the facility along with food and refreshments for attending teachers. CSSIA provides instructors, instructor travel and graduate credit opportunities. To host a Train-the-Trainer, contact Lynn Dohm at **(815) 717-6546** or *dohm.lynn@gmail.com*

What some faculty who have been trained by CSSIA are saying…

"I have very much appreciated this program. The instructors at CSSIA are very dedicated to finding current content, providing real world examples of how the content is applied, and staying personally current in the field themselves. It makes a huge difference when learning from them versus instructors who only know content without real world experience."

"This was my first CSSIA course and I was extremely impressed with the quality. I look forward to attending many more."

"I loved the course content and the fact that the class was team-taught, with both classroom instructors and IT Engineers. It made for great classroom discussions."

"The instructors were very helpful with classroom learning and bringing real-life experiences to the table, thus providing an overall great experience."

CSSIA offers Train-the-Trainer for:

CCNA Security

VMware

CISSP

Ethical Hacking

Forensics

Many others on request

Contact Lynn Dohm
dohm.lynn@gmail.com
(815) 717-6546

UIS Offers Graduate Credit for CSSIA's Train-the-Trainer Program

Graduate credit opportunities are available for faculty who attend a CSSIA Train-the-Trainer. Faculty can earn 3 graduate credits through the University of Illinois Springfield by enrolling in an online course and doing additional follow-up work. Tuition for this option is approximately $1,200.
https://edocs.uis.edu/tmims1/www/cssia/

Digital Forensics Curriculum in CSSIA's Future

CSSIA has partnered with University of Illinois Springfield to design a new digital forensics class. This class will enable institutions to use the CSSIA Virtualization Data Center (CVDC) environment to upload pre-designed images for analysis and investigations. Students taking this class have the opportunity to prepare for online skills competitions and will have access to the learning environment from the classroom and home. The development of the digital forensics class represents the fifth curriculum specifically developed for the CVDC. The other curricula included are: CCNA Security, VMware, CNSS4011 and Ethical Hacking. Potential future curricula could include Advance Network Security, Wireless Security and Hardening Microsoft Environments, Citrix Zenserver, Citrix Desktop server, Citrix Apps Server, and Intrusion Detection.

National Conference for Cyber Security, Simulation and Virtualization

Sponsored by CSSIA, the two-day National Conference for Cyber Security, Simulation and Virtualization held at Moraine Valley Community College was highly rated among its participants. Technology educators received hands-on experience using new and advanced features in simulation, virtualization and cyber security. Now that CSSIA has become a national resource center, the focus is on high school and college cyber security skills competitions, academic mentoring for faculty and students for competitions, and faculty development.

CSSIA's 2012 National Conference will be held at Moraine Valley Community College, Palos Hills, Ill., June 28 and 29. For more information, contact John Sands at **(708) 955-5426** or *sands@morainevalley.edu*.

Keep posted on all events

www.cssia.org

Like us on Facebook @CSSIANRC
Follow us on Twitter @CSSIANRC

Sylvia Jenkins, Vice President of Academic Affairs at Moraine Valley Community College, welcomes the instructors.

CSSIA Unveils Curriculum for
CNSS4011 Standard

CSSIA continues to build upon the establishment of the CSSIA Virtualization Data Center (CVDC) by working on new labs and curriculum to be generated and shared in the field of cyber security. As part of CSSIA's initiative for the national resource center, labs have been created and directly mapped to the CNSS4011 standards. CSSIA has worked with Network Development Group to assist with the testing and deploying of these labs and users of NetLabs will have the ability for labs to be pushed to the environment automatically. The variety of CSSIA labs cover topics including cryptography, the use of network scanning and security tools, using vulnerability scanners, installing and configuring network security counter measures and many more.

For more information, contact Ginny Swyndroski at *swyndroskv@morainevalley.edu* or **(708) 974-5725**.

"The recent National Conference for Cyber Security, Simulation, and Virtualization at Moraine Valley Community College was without a doubt the best Cyber Security Conference I have attended. My colleague and I both left motivated, inspired and ready to take our programs to the next level. Many thanks to John and Eric for building a solid model for Cyber Security training and education and being so willing to share and help others. Their work and this conference are making a difference in our programs."

Paul Jones
Pensacola State College

"The conference was a great experience. My students have enjoyed the competitions in the past, and I have seen the increased enthusiasm it has brought into the classroom."

Professor Steve Hyzny
Governors State University

"I was so impressed by the job done by CSSIA at Moraine Valley that when I arrived home, I immediately looked at how we could revamp our programs here at Pensacola State College to more closely resemble what you are doing there. In my opinion this was one of the best investments we have made in the last five years. I hope to keep an active relationship with both CSSIA and Moraine Valley; you definitely have the vision for where I.T. is going."

James D. Drennen
Pensacola State College

CSSIA

NATIONAL RESOURCE CENTER FOR SYSTEMS SECURITY AND INFORMATION ASSURANCE

CSSIA
National Resource
Center for Systems Security
and Information Assurance

CVDC's Various Components:

- Higher Education Skills Competitions
- Two-Year Student Cyber Skills Competitions
- High School Security Competitions
- Online Skills Learning Laboratory
- Cyber Security Skills Lab Exercise Strategy
  - CNSS 4011
  - Security +
  - Cyber Events
  - Forensics
  - CCNA Security
  - 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
- APC Power Conditioning

CSSIA Virtualization Data Center

Janis Rose was honored with a commendation from the Federal Bureau of Investigation. Presented by David A. Ford, Special Agent in Charge, FBI Springfield Division, (left), the award recognizes her dedication and hard work protecting our national infrastructures for more than 10 years. Rose has served as president of InfraGard Springfield, an initiative of the FBI, collaborating with subject matter experts in public/private alliances. She teaches computer science at the University of Illinois Springfield where her interest centers on network security, she chairs the annual Cyber Defense and Disaster Recovery Conference and is spearheading a Digital Forensics Exercise Challenge.

Cyber Citizens Forum

University of Illinois Springfield (UIS) and CSSIA supported the Department of Homeland (DOH) Security's **Stop. Think. Connect.** national cyber security awareness campaign by hosting more than 120 participants from the DOH, federal and state agencies, and private sector in a Cyber Citizen Forum at UIS. Collaborative efforts such as the **Stop. Think. Connect.** campaign help elevate awareness and encourage the public to take increased measures to protect themselves online. For more information, contact Ted Mims at *tmims1@uis.edu*.

Teaching Technicians
your direct link to faculty development events

Find information related to faculty development for technician educators.

teachingtechnicians.org

Operated by the National Science Foundation.

Congratulations to InfraGard Springfield for "Meeting the Challenge"

InfraGard recently held its Annual Congress and Awards Ceremony in which InfraGard Springfield Members Alliance was the recipient of the Meet the Challenge Award for its successful Collegiate Cyber Exercise Event (CCEE). The CCEE, in partnership with CSSIA, was funded by a grant from the Department of Homeland Security. This event hosted 64 full-time students in Illinois community colleges and universities to engage in cyberstorm scenarios. Through participating in this exercise, these students had the opportunity to gain practical experience in the field of cybersecurity through hands-on simulation of cyber attacks. Teams were individually mentored by security professionals from private industry and the FBI.

Calendar of events

Friday, Oct. 14
High School Cyber Security Competition Faculty Development virtual meetings.
compete.moraine.edu

Friday, Oct. 21
Women in Technology meeting, Moraine Valley Community College, Palos Hills, Ill.

Friday, Nov. 11
National Cyber League meeting, Moraine Valley Community College, Palos Hills, Ill.

Saturday, Nov. 12
Forensics Digital Exercise, University of Illinois,Springfield, Ill.

Thursday and Friday, June 14 and 15, 2012
Girl Tech Camp at UIS, University of Illinois,Springfield, Ill.

Thursday and Friday, June 28 and 29, 2012
CSSIA's 2nd Annual National Conference, Moraine Valley Community College, Palos Hills, Ill.

Conferences: Achieving Excellence through Educating Together

National Career Pathways Network (NCPN)
Oct. 12-14
ncpn.info

Advanced Technological Education Principal Investigators (ATE-PI)
Oct. 26-28
aacc.nche.edu/2011ATE

National Center for Academic Excellence in Information Assurance Education (CAE)
Nov. 6-9
nsa.gov/ia/academic_outreach/nat_cae/index.shtml
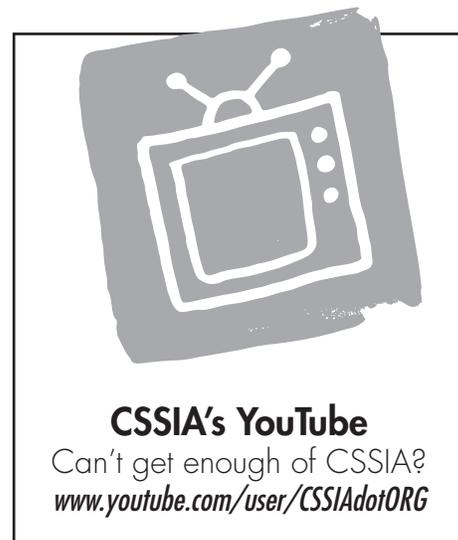
Association for Career and Technical Education (ACTE)
Nov. 17-19
acteonline.org/convention.aspx

American Association of Community Colleges (AACC)
April 21-24, 2012
aacc.nche.edu/newsevents/Events/convention2/Pages/default.aspx

CSSIA's YouTube
Can't get enough of CSSIA?
www.youtube.com/user/CSSIAdotORG

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Learn more about CSSIA! *cssia.org*