CyberSecurity Education & Certification Opportunities
May 25, 2016
CHECK Conference

Hosted by Melinda Stanley, KanREN   www.kanren.net
Jason Brown, CISO Merit Network www.merit.edu
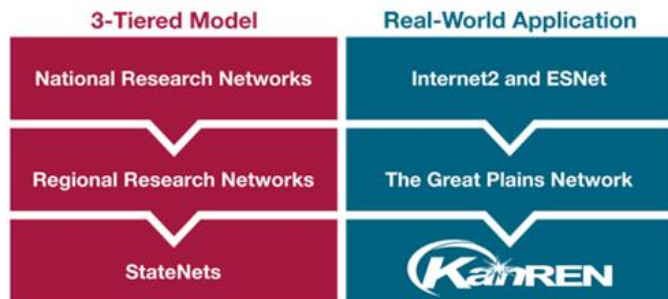**Jameka Williams, Merit Network**

Logistics:

- We will be recording & streaming today's session;
- Link will be posted on CHECK Conference web/YouTube channel, and KanREN Initiative page
- Tweet #CHECK2016
- Thanks to Jason Brown & Jameka Williams, Merit Network!

ABOUT KANREN

More Than Just the Internet

KanREN is an experienced, forward- thinking, member based consortium offering custom, world-class network services, innovations and support for researchers, educators, and public service institutions in the state of Kansas who require a direct, dedicated, high-capacity infrastructure when performance is imperative to success.

KanREN serves the StateNet role in the 3-tiered model for education and research entities. The 3-tiered model has been proven a cost effective, efficient and scalable solution for meeting the unique connectivity needs of education and research.

3-Tiered Model	Real-World Application
National Research Networks	**Internet2 and ESNet**
Regional Research Networks	**The Great Plains Network**
StateNets	**KanREN**

KanREN At a Glance

- Registered 501(c)(3) not-for-profit organization
- Self-funded – No on-going state or federal funds
- Full financial disclosure to members
- Governed by members
- Facilitate group purchases, increasing vendor discounts
- Founded in 1992, before "the Internet" as we know it existed
- Consistently leading the nation in technology and capabilities
- Lawrence, KS small business – member funds stay in Kansas

Consortium Members

Anchor Institutions

- Emporia State University
- Fort Hays Sate University
- Johnson County Community College
- Kansas Board of Regents
- Kansas State University
- Pittsburg Sate University
- University of Kansas
- University of Kansas Medical Center
- Washburn University
- Wichita State University

Private Colleges and Universities

- Baker University
- Central Christian College
- Hesston College
- Tabor College

Libraries

- Kansas City Kansas Public Library
- Lawrence Public Library
- Linn County Library – District #2
- State Library of Kansas
- Topeka and Shawnee County Public Library

Unified School Districts

- Baldwin City USD 348
- Bluestem USD 205
- Burlingame USD 454
- Cedar Vale USD 285
- Central Heights USD 288
- Central USD 462
- Chapman USD 473
- Doniphan West USD 111
- Flinthills USD 492
- Fredonia USD 484
- Frontenac USD 249
- Goddard USD 265
- Jefferson County North USD 339
- Kansas School for the Deaf and the Blind
- Kaw Valley USD 321
- Keystone Learning Services USD 608
- Lawrence USD 497
- Lyons USD 405
- Marais Des Cygnes Valley USD 456
- McLouth USD 342
- Oskaloosa USD 341
- Perry-Lecompton USD 343
- Pittsburg USD 250
- Prairie View USD 362
- Riverside USD 114
- Royal Valley USD 337
- SEK Education Service Center at Greenbush USD 609
- Silverlake USD 372
- TEEN Interlocal 632
- Troy USD 429
- Valley Falls USD 338
- Wellsville USD 289
- West Franklin USD 287

Other Research and/or Education Organizations

- Associated Colleges of Central Kansas
- Bioscience & Technology Business Center
- City of Lawrence
- Douglas County
- Hays Medical Center
- Health Partnership Clinic of Johnson County
- Johnson County Government
- Kansas Law Enforcement Training Center (KLETC)
- Mount Saint Scholastica
- South Central Kansas Distance Learning Network
- Southeast Kansas Education Service Center – Greenbush
- Three Lakes Educational Cooperative
- University of Kansas Endowment Association

Strengthening Membership by Establishing Alliances and Creating Opportunities

KANREN INITIATIVES

KanREN is 'connecting beyond the connection' in multi-faceted ways to strengthen its membership through a number of initiatives that build alliances and create opportunities for—and among—the KanREN membership. KanREN strives to address challenges our members face, develop a deeper involvement and understanding of the issues that affect our members, and care about the things that our members care about.

KanREN and MERIT Announce Professional Learning Partnership

The Kansas Research and Education Network (KanREN) is pleased to announce a strategic partnership with Merit Network, Inc., an Ann Arbor, Mich.-based non-profit corporation that operates America's longest-running regional research and education network. The partnership provides KanREN members discounted pricing on Merit's extensive Professional Learning and cyber security certification courses.

Learn more about the KanREN and MERIT partnership

White House to hire its first chief information security officer

The new hire will have "oversight of relevant agency cybersecurity practices, and implementation across federal information technology system," according to the job description.

By Zack Whittaker for Zero Day | February 9, 2016 — 11:33 GMT (03:33 PST) | Topic: Security

Image: The White House / Flickr via Pete Souza

RELATED STORIES

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Verizon's 2016 Data Breach Investigations Report

Understand what you're up against.

Cybersecurity's most comprehensive investigations report is back.

Download the 2016 DBIR ›

2016 Data Breach Investigations Report

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More insightful than ever.

For the ninth time, the 2016 Data Breach Investigations Report (DBIR) lifts the lid on what's really happening in cybersecurity. The 2016 dataset is bigger than ever, examining over 100,000 incidents, including 2,260 confirmed data breaches across 82 countries. With data provided by 67 contributors including security service providers, law enforcement and government agencies, this year's report offers unparalleled insight into the cybersecurity threats you face.

Understand the risks – watch the 2016 DBIR video ›

No one is immune.

Take a look through the list of published data breaches and one thing will immediately strike you: no location, industry or organization is immune from attack. Even with the strongest defenses, you can't bank on not being breached. But you can deter the criminals. The 2016 Data Breach Investigations Report helps you understand how cybersecurity breaches occur, what the most likely attack types are for your industry and what techniques you can adopt to reduce the risk.

And it's not just for IT. A breach impacts the whole organization, so all senior executives need to understand the threats and be aware of the risks. Our executive summary gives you all the information you need in an easy-to-digest format.

Read the executive summary ›

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cert.gov/education/education-home
Official website of the Department of Homeland Security

NICCS
NATIONAL INITIATIVE FOR CYBERSECURITY CAREERS AND STUDIES

About NICCS   A-Z Site Map

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EDUCATION   Furthering in Cybersecurity & STEM

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Curriculum Resources
Promoting Education
Professional Development for Teachers
National Centers of Academic Excellence (CAE)
CyberCorps® Scholarship For Service (SFS)
STEM Improvements
Curriculum Evidence Standards
Software & Supply Chain Assurance

INTEGRATED LEARNING Learn how the Federal Government is encouraging the integration of cybersecurity topics technology into the classroom and finding curriculum into STEM curricula for K-12 students.

TEACHING TOOLS Get new ideas for bringing cybersecurity and technology into the classroom and finding curriculum resources, and strategies for making STEM accessible.

HANDS-ON LEARNING Find activities that extend cybersecurity learning beyond the classroom.

PROMOTING EDUCATION Learn about the National Initiative for Cybersecurity Education (NICE) initiatives and programs underway to connect educators, students, and technology.

Cybersecurity & STEM Education

Promoting and expanding cybersecurity education is essential to protecting the Nation's critical infrastructure. In order for the United States to best protect our interests in the 21st century, a new workforce needs to be educated and the current workforce needs additional skills. From elementary schools to postgraduate institutions, educators need to understand the critical knowledge, skills and abilities that future cybersecurity professionals need to learn.

D CIO DIVE

TOP INFORMATION TECHNOLOGY NEWS
CIO DIVE DAILY NEWSLETTER

TOPICS ⌄   FEATURE

2016 could be the year of cyber insurance

By Justine Brown • March 9, 2016   print

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Cyber insurance does not get much attention when stories of the latest major cyberattack hit the headlines. But with the ever-increasing number of high-profile cyberattacks, 2016 may be the year cyber insurance finally takes the spotlight.

A fast-growing market

Currently, first-party insurance products cover losses associated with data destruction, denial of service attacks, theft and extortion. In addition, some

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2016 Cybersecurity Skills Gap

Too Many Threats

Too Few Professionals

$1 BILLION: PERSONALLY IDENTIFIABLE INFORMATION (PII) RECORDS STOLEN IN 2014

97% BELIEVE APTs REPRESENT CREDIBLE THREAT TO NATIONAL SECURITY AND ECONOMIC STABILITY

MORE THAN 1 IN 4 ORGANIZATIONS HAVE EXPERIENCED AN APT ATTACK

2 MILLION: GLOBAL SHORTAGE OF CYBERSECURITY PROFESSIONALS BY 2019

3X RATE OF CYBERSECURITY JOB GROWTH VS. IT JOBS OVERALL, 2010-14

84% ORGANIZATIONS BELIEVE HALF OR FEWER OF APPLICANTS FOR OPEN SECURITY JOBS ARE QUALIFIED

$150 MILLION: AVERAGE COST OF A DATA BREACH BY 2020

1 IN 2 BELIEVE THE IT DEPARTMENT IS UNAWARE OF ALL OF ORGANIZATION'S INTERNET OF THINGS (IOT) DEVICES

74% BELIEVE LIKELIHOOD OF ORGANIZATION BEING HACKED THROUGH IOT DEVICES IS HIGH OR MEDIUM

53% OF ORGANIZATIONS EXPERIENCE DELAYS AS LONG AS 6 MONTHS TO FIND QUALIFIED SECURITY CANDIDATES

77% SAID THAT NO HIGH SCHOOL TEACHER OR GUIDANCE COUNSELOR MENTIONED CYBERSECURITY AS CAREER FOR WOMEN

89% OF U.S. CONSUMERS BELIEVE IT IS IMPORTANT FOR ORGANIZATIONS TO HAVE CYBERSECURITY-CERTIFIED EMPLOYEES

Cyberattacks are growing, but the talent pool of defenders is not keeping pace.

Although attacks are growing in frequency and sophistication, the availability of sufficiently skilled cybersecurity professionals is falling behind. Cybersecurity Nexus (CSX) is addressing this gap by creating a skilled global cybersecurity workforce. From the Cybersecurity Fundamentals Certificate for university students to CSXP, the first vendor-neutral, performance-based cybersecurity certification, CSX is attracting and enabling cybersecurity professionals at every stage of their careers.

CSX   ISACA

https://cybersecurity.isaca.org

GOVERNMENT & POLITICS   SEPTEMBER 10, 2015 5:36 PM

Missouri schools to undergo cybersecurity audit

VIDEOS

HIGHLIGHTS
Schools collect and store loads of personal information about students, faculty and staff on computers

Park Hill School District is among five selected for the first round of cyber audits

BY MARA ROSE WILLIAMS
mdwilliams@kcstar.com

You've seen the headlines and heard the accounts about staggering data breaches and the personal information of millions being out there, somewhere in the cyber universe.

Stan Lee, serious for once, talks presidential politics

Stan Lee, serious for once, talks presidential politics

NOW PLAYING

KC competes in the Smart City challenge

CyberSecurity ED Resources

▷ *ISACA Cybersecurity Certifications/Training* https://www.isaca.org

▷ *National Institute for Cybersecurity Careers & Studies* https://niccs.us-cert.gov/

▷ *National Initiative for Cybersecurity Education (NICE)* http://csrc.nist.gov/nice/
[NICE 2016 – 7th Annual Conference](#) – November 1-2, 2016, Kansas City, MO

▷ *The National CyberWatch Center:* http://www.nationalcyberwatch.org/

▷ [Centers for Academic Excellence Scholarships for Service](#) (FHSU/KSU/KU)

▷ NSF [Secure & Trustworthy Cyberspace Grant Program](#)

CyberSecurity Reports/Articles

▷ [ISACA State of Cybersecurity: Implications for 2016](#)

▷ [Verizon CyberBreach 2016](#)

▷ [The Global State of Information Security Survey 2016 Results](#)

▷ [Biggest Data Breachs of 2015](#)

▷ [Hard to find CyberSecurity Professionals](#)

▷ [Year of CyberInsurance](#)

HELPFUL RESOURCES

▷ Course requests: Please send to Melinda Stanley, KanREN

▷ KanREN www.kanren.net (we will post related resources here!)

▷ ZOOM Video Conferencing/Meeting Collaboration tool

▷ Merit Network www.merit.edu

▷ Course information and a schedule of opportunities is available online at https://www.merit.edu/professional-development/.

CONTACTS:

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