

Agenda

The 2014 NICE Conference theme was **Ready to Work: Equipping our cybersecurity workers with the skills to compete in a 21st-century economy**. The conference highlighted today's job-driven initiatives that are preparing workers for in-demand cybersecurity jobs and address the future cybersecurity education needs of the nation.

Session Tracks for 2014 Nice Conference

TRACK A: Workforce and Skills Development
TRACK B: Education: Building the Cyber Generation
TRACK C: Industry - Driven Initiatives

Presentations of interest featured:

- Keynotes that embrace the national Ready to Work directive
- Advanced Technology for STEM Education
- Cybersecurity Education Techniques and Tools
- Beneficial Results from conducting Cybersecurity Competitions
- Cyber Training and Development for Schools and Teachers
- Job-Driven Initiatives Preparing for In-Demand Cybersecurity Jobs
- Workforce Training Frameworks in Government and Industry

Wednesday November 5, 2014	
8:00 AM - 8:15 AM	Welcome & Introduction to the NICE 2014 Conference <i>Bill Newhouse, Program Manager, National Initiative for Cybersecurity Education (NICE), National Institute of Standards and Technology</i> <i>Rick Geritz, CEO, LifeJourney</i>
8:15 AM - 8:30 AM	Opening Remarks <i>Dr. Renee Foose, Superintendent, Howard County Public School System</i>
8:30 AM - 9:00 AM	Keynote: "Ready to Work"

	<i>Russell Shilling, Executive Director, U.S. Dept of Education</i>		
9:00 AM - 9:45 AM	<p style="text-align: center;">The National Cybersecurity Workforce Framework: The Foundation for Building the Nation’s Cybersecurity Workforce</p> <p style="text-align: center;"><i>Benjamin Scribner, Program Director, National Cybersecurity Professionalization & Workforce Development Program, U.S. Department of Homeland Security</i></p>		
9:45 AM - 10:00 AM	Break / Visit Exhibitors		
10:00 AM - 10:45 AM	<p style="text-align: center;"><i>TRACK A: Workforce and Skills Development</i></p> <p style="text-align: center;">A Strategic View of the Federal Cybersecurity Work Functions (Link)</p> <p><i>Lucy Antone, Human Capital Strategist, U.S. Office of Personnel Management</i></p>	<p style="text-align: center;"><i>TRACK B: Education: Building the Cyber Generation</i></p> <p style="text-align: center;">The Cyber High School - Transforming America's Students into the Next Cyber Generation</p> <p><i>Moderator</i> <i>Steve Morrill, Cyber Science Director, Loyola Blakefield High School, Baltimore</i></p> <p><i>Panelists</i> <i>Patrick Lagator, Student, Loyola Blakefield High School</i></p> <p><i>Adam Firestone, Senior Vice President & General Manager, Kaspersky Lab Government Security Solutions</i></p> <p><i>Terry Erdle, SVP, KnowledgeFactor</i></p>	<p style="text-align: center;"><i>TRACK C: Industry - Driven Initiatives</i></p> <p style="text-align: center;">A View from the Communications Sector: Closing the Cyber Skills Gap and Getting Hired (Link)</p> <p><i>Myrna Soto, Senior Vice President & CIISO, National Engineering & Technical Operations, Comcast - National Engineering & Technical Operations</i></p>
10:45 AM - 11:00 AM	Break / Visit Exhibitors		

<p>11:00 AM - 11:45 AM</p>	<p>TRACK A: Workforce and Skills Development</p> <p>Cyberhunting Competitions Focusing on the Critical Skills and innovative Approach to Effectively Characterize the Digital Environment (Link)</p> <p>Nevin Taylor, President/CEO, Digital Forensics Consortium</p>	<p>TRACK B: Education: Building the Cyber Generation</p> <p>Journey to Careers - Louisiana's Cyber Education Rollout (Link)</p> <p>Moderator G.B. Cazes, Vice President, Cyber Innovation Center, Bossier City, LA</p> <p>Panelists Dr. Chuck Gardner, Instructor of Cyber Science and Maritime Studies and Career Education Coordinator, New Orleans Military and Maritime Academy</p> <p>Emma Jordan, Middle School Curriculum Supervisor, Bossier Parish Schools</p> <p>Terrie Johnson, Supervisor of High School Curriculum, Bossier Parish Schools</p>	<p>TRACK C: Industry - Driven Initiatives</p> <p>Intelligence & Security University (I&SU): Best Practices and Lessons Learned for Developing a Cyber Workforce (Link)</p> <p>Erica Reyes, Intelligence & Security University, BAE Systems</p>
<p>11:45 AM - 12:00 PM</p>	<p>Break / Visit Exhibitors</p>		
<p>12:00 PM - 12:15 PM</p>	<p>"Built It, Break It, Fix It" Winners Announcement</p> <p>Dr. Mike Hicks, University of Maryland College Park</p>		
<p>12:15 PM - 1:30 PM</p>	<p>"Birds of a Feather" Lunch Period : Numerous individual roundtable discussions featuring exciting additional topics and presenters!</p>		

<p>1:30 PM - 2:15 PM</p>	<p>TRACK A: Workforce and Skills Development</p> <p>Aligning High School Cyber Security Programs with College and Career Pathways</p> <p>Albert Palacios, Rigorous Programs of Study Program Manager, U.S. Department of Education, Division of Academic and Technical Education</p>	<p>TRACK B: Education: Building the Cyber Generation</p> <p>Cyber Science: Integration of Cyber Disciplines</p> <p>Moderator Dr. Victor Piotrowski, Lead Program Director, CyberCorps®: Scholarship for Service (SFS), NSF and Lead, NICE C2 - Formal Education</p> <p>Panelists Dr. Deborah Fincke, Director of Research, NSA</p> <p>Dr. Eugene Spafford, Executive Director, CERIAS, Purdue University</p> <p>Howard Taylor, Visiting Professor, USMA</p>	<p>TRACK C: Industry - Driven Initiatives</p> <p>Creating National Scale Competitions</p> <p>Moderator Ira Hobbs, Hobbs & Hobs, LLC</p> <p>Panelists Greg White, Director, Center for Infrastructure Assurance and Security, University of Texas at San Antonio</p> <p>Karen Evans, Council on CyberSecurity</p> <p>Dan Guido, Trail of Bits</p> <p>Bernard "Bernie" Skoch, Cyber Patriot</p>
<p>2:15 PM - 2:30 PM</p>	<p>Break / Visit Exhibitors</p>		
<p>2:30 PM - 3:15 PM</p>	<p>TRACK A: Workforce and Skills Development</p> <p>Developing a Sustainable Cyber Workforce for Small Business and Government</p> <p>Moderator Erika Olsen, Deputy Chief of the Public Safety and Homeland Security Bureau, Federal Communications Commission</p> <p>Panelists Sharon Jones, Director, Office of Small Business Programs, DISA</p>	<p>TRACK B: Education: Building the Cyber Generation</p> <p>Innovation in Graduate Cyber Education – Project INSURE (Link)</p> <p>Dr. Melissa Dark, W.C. Furnas Professor of Technology in Computer and Information Technology, Assistant Director of Educational Programs CERIAS,, Purdue University</p>	<p>TRACK C: Industry - Driven Initiatives</p> <p>Perspectives on Professionalization of the Cybersecurity Workforce</p> <p>Moderator Rear Admiral David G. Simpson, (Ret.), Chief, Public Safety and Homeland Security, FCC</p> <p>Panelists Dr. Diana Burley, Professor, Human and Organizational Learning, Graduate School of Education and Human Development, George Washington University</p>

	<p>Jesse Ward, Industry & Policy Analysis Manager, NTCA- The Rural Broadband Association</p> <p>Wanda Gibson, Chief Technology Officer and Director, Fairfax County</p> <p>Buster Johnson, Supervisor, Mohave County, AZ</p>		<p>Francesca Spidalieri, Cyber Leadership Fellow, Pell Center</p> <p>Terry Erdle, SVP, KnowledgeFactor</p>
<p>3:15 PM - 3:30 PM</p>	<p>Break / Visit Exhibitors</p>		
<p>3:30 PM - 4:15 PM</p>	<p>TRACK A: Workforce and Skills Development</p> <p>Promoting Diversity in the Cyber Workforce</p> <p>Moderator Alice Shaffer, Program Director, DOD Information Assurance Scholarship Program</p> <p>Panelists Dr. Jane LeClair, COO, National Cybersecurity Institute at Excelsior College</p> <p>Lisa Foreman-Jiggetts, Founder & CEO, Women's Society of Cyberjutsu</p> <p>Dr. Ambareen Siraj, Associate Professor, Department of Computer Science, Tennessee Tech University</p> <p>Kim Curtis, Signature Academy Coordinator, Gaithersburg High School</p>	<p>TRACK B: Education: Building the Cyber Generation</p> <p>Role of Academia in Cybersecurity Awareness</p> <p>Moderator Michael Kaiser, Executive Director, National Cyber Security Alliance</p> <p>Panelists Kristina Dorville, Deputy Branch Chief, Cybersecurity Education & Awareness, Department of Homeland Security</p> <p>Casey O'Brien, Executive Director, National CyberWatch Center</p> <p>Brian Markham, Director, Compliance and Risk Services, The George Washington University</p>	<p>TRACK C: Industry - Driven Initiatives</p> <p>NSA/DHS National Centers of Academic Excellence Update</p> <p>Moderator Lynne Clark, Chief, National Information Assurance Education and Training Program, NSA</p> <p>Robin "Montana" Williams, Chief, National Cybersecurity Education & Awareness Branch, DHS</p>

	LeVorn Smalley, Anne <i>Arundel Workforce Development</i>		
4:15 PM - 4:30 PM	Break / Visit Exhibitors		
4:30 PM - 5:00 PM	Closing Keynote Rear Admiral David G. Simpson, (Ret.), <i>Chief, Public Safety and Homeland Security, FCC</i>		
5:00 PM - 5:30 PM	Break		
5:30 PM - 9:00 PM	Reception: CyberTini's on the Lake Merrill Lynch Building		
Thursday November 6, 2014			
8:00 AM - 8:05 AM	Welcome Remarks Kathleen Hetherington, Ed.D, <i>President, Howard Community College</i>		
8:05 AM - 8:25 AM	Opening Keynote: "Why Cyber Security is STEM" Vinnie Polito, <i>Managing Director, US News and World Report STEM Solutions</i>		
8:25 AM - 8:45 AM	Connecting Employers, Job-seekers and Education Assets to Meet the Cybersecurity Job Demand Cheri Caddy, <i>Director for Cybersecurity Policy Integration and Outreach, National Security Staff, The White House</i>		
8:45 AM - 9:00 AM			
9:00 AM - 9:45 AM	TRACK A: Workforce and Skills Development DoD Cyberspace Workforce Strategy (Link)	TRACK B: Education: Building the Cyber Generation Cyber Scholarship & Training Opportunities Available for	TRACK C: Industry-Driven Initiatives Global Cyber Range (GCR) - Empowering the Cybersecurity Professional (CyPRO) (Link)

	<p>Stephanie Keith, Senior Policy Advisor, DOD</p>	<p>Students (Link)</p> <p>Presentation 2 (Link)</p> <p>Moderator George Heron, LifeJourney USA</p> <p>Panelists</p> <p>Danielle Santos, Assistant Program Manager, Cybersecurity Workforce Development, U.S. Department of Homeland Security</p> <p>Scott Wallace, Software Engineer, U.S. Department of Homeland Security</p> <p>Michael Rocha, Assistant Program Manager, Cybersecurity Workforce Development, U.S. Department of Homeland Security</p> <p>Princess Young, Program Manager, Cybersecurity Awareness, Office of Cybersecurity & Communications, U.S. Department of Homeland Security</p>	<p>Moderator Deborah L. Kobza, CGEIT, JIEM, Founder / Executive Director / CEO, NH - ISAC, Global Situational Awareness Center, NASA/Kennedy Space Center</p>
<p>9:45 AM - 10:00 AM</p>			
<p>10:00 AM - 10:45 AM</p>	<p>TRACK A: Workforce and Skills Development</p> <p>Interactive Job Map - The Growth of Cybersecurity Jobs</p> <p>Matthew Sigelman, CEO, BurningGlass</p> <p>Terry Erdle, SVP, KnowledgeFactor</p>	<p>TRACK B: Education: Building the Cyber Generation</p> <p>Cybersecurity and Intelligence</p> <p>Dr. Tony Coulson, Professor, Director Cyber Security Center, California State University, San Bernardino</p>	<p>TRACK C: Industry-Driven Initiatives</p> <p>Developing a Talent Pipeline through Industry Engagement</p> <p>Moderator Chris Ensey, COO, Dunbar Cybersecurity</p> <p>Panelist Mike Passaro, Executive Director, Cyber Intelligence Institute, ZeroFox</p>

			<p>Brian E. Walsh, CTO, <i>Interclipse, Inc</i></p> <p>Shayna Skolnik, CEO, <i>Navteca</i></p>
10:45 AM - 11:00 AM	Break / Visit Exhibitors		
11:00 AM - 11:45 AM	<p>TRACK A: Workforce and Skills Development</p> <p>Using an Automated Tool to Accelerate Cybersecurity Hiring (Link)</p> <p>Renee Forney, Executive Director, <i>CyberSkills Management Support Initiative, DHS</i></p>	<p>TRACK B: Education: Building the Cyber Generation</p> <p>How America's Cities are Creating the Next Cyber Generation (Link)</p> <p>Presentation 2 (Link)</p> <p>Moderator Tom Sadowski, President & CEO, <i>Economic Alliance of Greater Baltimore (EAGB)</i></p> <p>Panelists Jeffrey Downs, Executive Director of STEM, <i>Oklahoma State Schools</i></p> <p>Susan Moon, <i>Huntsville City Schools, Huntsville, AL</i></p> <p>G.B. Cazes, Vice President, <i>Cyber Innovation Center, Bossier City, LA</i></p> <p>Chris Cook, Principal Owner, <i>San Antonio Cyber Consultants</i></p> <p>Dr. Kenneth Thompson, CIO, <i>Baltimore City Schools</i></p>	<p>TRACK C: Industry-Driven Initiatives</p> <p>Why Cyber Security is America's STEAM Education Engine (Link)</p> <p>Haden Land, Vice President, <i>Research & Technology Lockheed Martin Information Systems & Global Solutions, Lockheed Martin Corp.</i></p>
11:45 AM - 12:00 PM	Break / Visit Exhibits		
12:00 PM - 1:30 PM	"Birds of a Feather" Lunch Period : Numerous individual roundtable discussions featuring exciting additional topics and presenters!		

1:30 PM - 2:15 PM	<p><i>TRACK A: Workforce and Skills Development</i></p> <p>The NICCS Resource Library - Tools for Building Your Cyber Workforce (Link)</p> <p>Presentation 2 (Link)</p> <p><i>Benjamin Scribner</i>, Program Director, National Cybersecurity Professionalization & Workforce Development Program, U.S. Department of Homeland Security</p>	<p><i>TRACK B: Education: Building the Cyber Generation</i></p> <p>Building the Pipeline: Community Colleges on the Cutting Edge of Cybersecurity Education (Link)</p> <p>Speaker <i>Kasia Taylor</i>, Associate Professor, Coordinator Networking, Security and Forensics Program, Anne Arundel Community College</p> <p>Speaker <i>Jim Nichols</i>, Instructional Computing Division Chair, Estrella Mountain Community College</p> <p>Speaker <i>Pamela Frugoli</i>, O*NET/Competency Model Team Lead, US Department of Labor, Employment and Training Administration</p>	<p><i>TRACK C: Industry-Driven Initiatives</i></p> <p>Cyber Education and Innovation - Married or Divorced?</p> <p><i>Scott Tousley</i>, Deputy Director, DHS S&T; (CSD)</p>
2:15 PM - 2:30 PM	Break / Visit Exhibitors		
2:30 PM - 3:15 PM	<p><i>TRACK A: Workforce and Skills Development</i></p> <p>NSF's Advanced Technological Education (ATE) Program: Connecting Two-Year Colleges with Local Employers' Cybersecurity Needs (Link)</p> <p>Moderator <i>Corby Hovis</i>, National Science Foundation (NSF)</p> <p>Panelists</p>	<p><i>TRACK B: Education: Building the Cyber Generation</i></p> <p>Our Students Can Compete: Howard County and Cybersecurity Education</p> <p>Moderator <i>Andrew Cockley</i>, Principal, HCPSS Applications & Research Lab</p> <p>Panelists</p>	<p><i>TRACK C: Industry-Driven Initiatives</i></p> <p>Preparing Cybersecurity Workers through Creative Partnering (Link)</p> <p>Speaker <i>Michael Volk</i>, Business Development Coordinator, CyberCenter, Anne Arundel Community College</p> <p>Speaker</p>

	<p>Philip Craiger, Advanced Cyberforensics Education (ACE) Consortium, Daytona State College</p> <p>Sheryl Hale, Cyber Security Education Consortium (CSEC) and Oklahoma CareerTech</p> <p>Dale Rude, Clark State Community College</p> <p>Jerome Murray, Clark State Community College</p> <p>Margaret Spivey, Hagerstown Community College</p> <p>Steve Shank, Hagerstown Community College</p>	<p>Vipul Savalia, Educator, HCPSS Cybersecurity Networking Academy</p> <p>LaRee Siddiqui, Educator & Community Liaison, Early College Access Program in Network Security</p> <p>Betty Noble, Director, Center for Entrepreneurial & Business Excellence</p> <p>Rose Volynskiy, Acting Chair of Technology, Howard Community College</p>	<p>Marcelle Lee, Instructional Specialist, CyberCenter, Anne Arundel Community College</p>
3:15 PM - 3:30 PM	Break / Visit Exhibitors		
3:30 PM - 4:15 PM	<p>TRACK A: Workforce and Skills Development</p> <p>Growing the Pipeline for Cyber Talent through Volunteer Opportunities (Link)</p> <p>Renee Forney, Executive Director, CyberSkills Management Support Initiative, DHS</p>	<p>TRACK B: Education: Building the Cyber Generation</p> <p>Innovations in 2-Year College Curriculum and How To Assess It (Link)</p> <p>Casey O'Brien, Executive Director, National CyberWatch Center</p>	<p>TRACK C: Industry-Driven Initiatives</p> <p>Attracting and Training the Millennial Generation for Cybersecurity Professions (Link)</p> <p>Jennifer Havermann, Senior Manager, Business Development, Raytheon AST</p> <p>Michael Kaiser, Executive Director, National Cyber Security Alliance</p>
4:15 PM - 4:30 PM	Break		
4:30 PM - 5:00 PM	Closing Keynote		

Keynote

Jay Bavisi, *President, ECC Foundation*