NICE
NATIONAL INITIATIVE FOR CYBERSECURITY EDUCATION

iKeepSafe

K-12 CYBERSECURITY EDUCATION CONFERENCE
2017 CONFERENCE AGENDA
k12cybersecurityconference.org - #NICEK12

CONFERENCE TRACKS:

INCREASING CYBERSECURITY CAREER AWARENESS	INFUSING CYBERSECURITY ACROSS THE EDUCATIONAL PORTFOLIO	INTEGRATING INNOVATIVE EDUCATIONAL APPROACHES	DESIGNING ACADEMIC & CAREER PATHWAYS	PROMOTING CYBER AWARENESS

DAY 1 - MONDAY, DECEMBER 4, 2017

7:00-8:00am	**Registration & Refreshments**				
8:00-8:10am	**Welcome & Opening Remarks** Dr. Davina Pruitt-Mentle - Leader for Academic Engagement at NICE Holly Hawkins - President at iKeepSafe				
8:10-8:20am	**Opening Remarks from Local Representative**				
8:20-8:30am	**TBA**				
8:30-9:15am	**Opening Keynote** Sheila Boyington - President- Thinking Media/Learning Blade®, National Senior Advisor-STEMconnector®/Million Women Mentors®				
9:15-9:25am	**Conference Program Logistics/Changes/Updates** Dr. Davina Pruitt-Mentle - Leader for Academic Engagement at NIC				
9:25-9:40am	**Exhibitor Showcase/Break**				
9:40-11:50am	**Drop-In Sessions - Integrating Cybersecurity into STEM -** build flashlights to discuss cyber attacks, learn about various encryption and decryption methods, the security challenges around artificial intelligence, and more. (Center for Cybersecurity Educaton)				
9:40-10:20am **SESSION 1**	**NSA Does Cyber for K12. Find Out How You Benefit!** **Speaker -** Mark Wolkow, Director, Academic Outreach for the National Security Agency (NSA)	**Integrating Cybersecurity across all K-12 Disciplines** **Speaker -** Kevin Nolten, Director of Academic Outreach activities for the Cyber Innovation Cente	**The Governor's High School Cyber Challenge: Reaching students in underserved areas of Michigan** **Speaker -** Dr. William (Joe) Adams, VP of research and cybersecurity at Merit Network, Inc.	**PANEL - The Emergence of Innovation: Hawaii High School CTE Convergence of Cybersecurity** **Facilitator -** Dr. Debra Nakama, Vice Chancellor of Student Affairs at University of Hawaii Maui College	**Sexting:Changing the focus From Criminalization To Harm Reduction** **Speaker -** Chief Learning Officer & CEO at Personal Protection Systems Inc.
10:20-10:30am	**Exhibitor Showcase/Break**				
10:30-11:10am **SESSION 2**	**Addressing the Cybersecurity Skills Grap with a "New Collar" Approach** **Speakers -** Heather Ricciuto & David Jarvis from IBM	**CyberSTEAM - Cybersecurity, a career that touches every part of STEAM!** **Speaker -** Rebecca Onuskanich - Founder of Cyber Warrior Princess	**Closing the Gap: DHS K-12 Curricula and Resources for Cybersecurity Education** **Speaker -** Daniel Stein - Branch Chief, Cybersecurity Education and Awareness within the Department of Homeland Security (DHS)	**PANEL - State and Local Cybersecurity CTE Session 1** **Facilitator -** Albert Palacios - Education Policy Analyst, U.S. Department of Education Speakers from Michican, Tennessee, and Virginia	**Creating a Safe Environment for Students in an Era of Omnipresent Technology** **Speakers -** Eric Greene - Security Strategist for Cyber adAPT; Winn Schwartau - Founder, The Security Awareness Company
11:10-11:20am	**Exhibitor Showcase/Break**				

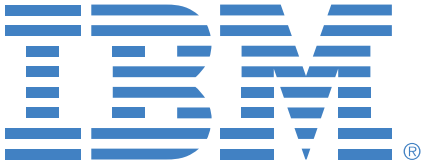
Special thanks to our Silver Sponsor IBM Security

IBM®

NICE K-12 CYBERSECURITY EDUCATION CONFERENCE - DAY 1 - DECEMBER 4, 2017 CONTINUED

11:20-11:50am **SESSION 3**	**TBA**	**Hacker High School** **Speaker -** Kim Truett, Project Coordinator and Board Member at ISECOM	**Pinckney Cyber Training Institute and Sentinel Center- serving the CTE and Professional Communities** **Speaker -** Cyndi Millns, Curriculum Director, Pinckney Cyber Training Institute & Cybersecurity CTE instructor	**Closing the Confidence Gap: Busting the Myths of Cybersecurity Job Skills to Prep the Next Generation of Workers** **Speakers -** Randi Parker - Director, Public Advocacy at CompTIA; Eric Larson- Senior Director, IT Futures Labs at Creating IT Future	**The Many Faces of Privacy** **Speaker -** Dr. Kelley Misata - Executive Director at The Open Information Security Foundation
11:50am-1:30pm	**Exhibitor Showcase/Lunch**				
12:00-1:30pm	**Lunch Keynote** Heather Ricciuto - Transformation and Academic Outreach Leader at IBM Security				
1:30-1:40pm	**Exhibitor Showcase/Break**				
1:40-2:05pm **SESSION 4.1**	**Using Competitions and School Challenges to Create the Next Cyber Workforce** **Speaker -** Thomas Scott, Executive Director of SC Cyber	**K-14 Cybersecurity Career Awareness, Exploration and Skills Development** **Speaker -** Ann Wright-Mockler, Senior STEM Education Consultant Pacific Northwest National Laboratory's Office of STEM Education	**CyberStart: Noteworthy Data from the $25 Million UK and US Pilot Programs** **Speaker -** Alan Paller - Director of Research at SANS Institute	**Multi-faceted Cybersecurity Education** **Speaker-** Doug Streit, IT Director at Old Dominion University	**Equipped & Empowered: Ensuring Student Data Privacy & Security in Education** **Speakers -** Jonathan King, Chief Strategy Officer of i-SAFE Ventures
2:05-2:30pm **SESSION 4.2**	**Business Professionals of America - Workforce Skills Assessment Program** **Speaker -** Patrick Schultz, Chair, At-Large, Business Professionals of America	**CyberSecurity: The Year in Review** **Speaker -** Dr. Gary Border	**Cyber Threat Defender: Hooking Students into Cybersecurity!** **Speaker -** Josef Klein, Information Security Specialist at the Center for Infrastructure Assurance and Security (CIAS)	**TBA**	**Basic Tools in Cybersecurity Social Engineering to Disseminate to Students** **Speaker -** Dr. Daria M. Brezinski, President, Integrated Learning Systems
2:30-2:40pm	**Exhibitor Showcase/Break**				
2:40-3:20pm **SESSION 5**	**The GenCyber Program** **Speaker -** Tina Ladabouche, Program Manager, GenCyber, NSA	**Innovation in STEM Education: Training Teachers to Integrate Cybersecurity** **Speaker -** Jessica Ivy, Assistant Professor of Mathematics Education at Mississippi State University	**Remote Virtual Lab Access: A Model to Building K-12 Career Pathway in Cyber** **Speaker -** Joanne Sexton - Director, Augusta University Cyber Institute at Augusta University	**Academic & Career Cybersecurity Pathways That Work: Pikes Pike, CO Case Study** **Speakers -** Bill Tomeo - Colorado Springs School District 11; Chelsy Harris - Pikes Peak Community College; Patty Bonvallet - Boecore, Inc.	**Liability for Schools and Administrators Related to the Cybersecurity, Cyberbullying, and Student Information** Larry Teverbaugh, Founder and CEO of CareerSafe, LLC; Lisa London; Paula DeWitte
3:20-3:30pm	**Exhibitor Showcase/Break**				

Special thanks to our Silver Sponsor IBM Security

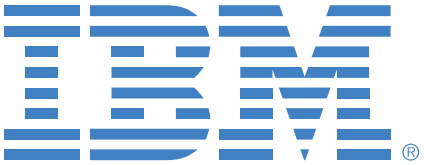


NICE K-12 CYBERSECURITY EDUCATION CONFERENCE - DAY 1 - DECEMBER 4, 2017 CONTINUED					
3:30-5:00pm **WORKSHOP SESSIONS**	**Introducing Cybersecurity with Hands-On Activities: Cyber Defense Against the Dark Arts** **Speakers -** Dr. Ambareen Siraj - Professor, Computer Science Department; Tennessee Tech Director, Cybersecurity Education Research and Outreach Center	**Introducing Big Ideas of Cybersecurity through Integrated Science, Technology, Engineering, and Math Activities** **Speaker -** Kirsten Manning - Education Specialist for the Virginia Space Grant Consortium	**CyberPatriot: Attracting Students to STEM and Cybersecurity Education and Careers** **Speaker -** Bernie Skoch - CyberPatriot National Commissioner	**Growing the Cybersecurity Workforce: National Cybersecurity CTE Pilot Program** **Speakers -** Dr. Davina Pruitt-Mentle, NICE Albert Palacios, Program Specialist, US Dept. of Education; Lynne Clark, NSA	**Data Privacy in Education, an iKeepSafe Educator Training Course** **Speaker -** Holly Hawkins - President and CEO at iKeepSafe
5:00-5:45pm	**Poster Sessions** **Exhibits** **NICE Sub-Group Working Group Meeting** - 2018 planning session - Conference, 2018 NCCAW, projects and project teams **CAE Pilot Program Meeting**				
6:00-7:30pm	**WINE & BREADBOARDING EVENING SOCIAL** Join the Cyber Innovation Center and NICERC for an evening of networking and interfacing with cybersecurity tools! Attendees will be able to experience hands-on activities with Boe-Bots, Micro:bits, and Raspberry Pis and explore ways to integrate Cybersecurity fundamentals into the K-12 Classroom. Light appetizers provided & cash bar.				

DAY 2 - TUESDAY, DECEMBER 5, 2017

7:00-8:00am	**Registration Opens**				
7:00-8:00am	**Breakfast and Birds of a Feather Sessions**				
8:00-8:15am	**Opening and Announcemenst from NICE K12 Subgroup Co-Chairs**				
8:15-8:30am	**TBA**				
8:30-9:15am	**Morning Keynote** Paul Vann - 11th Grader and Founder and CEO at Vanntech Cyber				
9:15-9:25am	**TBA**				
9:25-9:40am	**Exhibitor Showcase/Break**				
9:40-10:30am	**STUDENT PANEL -** 6 students - This panel of graduate, undergraduate, and high school students will illustrate for K12 students and educators opportunities and pathways within cybersecurity.				
10:30-10:40am	**Exhibitor Showcase/Break**				
10:40-11:20am **SESSION 1**	**STEM in Action: Building a Student Pipeline Toward a Public Service Mission** **Speaker -** Lori Gordon, Director of the Women in Homeland Security (WHS) STEM program and is a coordinator for Infragard's CyberCamp Program	**Spatial Thinking and Cybersecurity Education in Preschoolers and Early Elementary Students** **Speaker -** Lemi-Ola Erinkitola, Educator, The Critical Thinking Child LLC	**Michigan Initiative for Cybersecurity Education** **Speakers -** Carlos Garcia, Patrick Schultz, Dennis Klaas	**Cyber Crime Investigators: Pathways from High School to Cybersecurity Careers for First Generation College-Bound Students** **Speaker -** Dr. Nicole Simon, Deputy Director. Strategic Initiatives at the City University of New York: John Jay College of Criminal Justice	**National Cybersecurity Awareness Month (NCSAM) and Stay Safe Online - Gearing Up for 2018** **Speaker -** Michael Kaiser - Executive Director at National Cyber Security Alliance (NCSA)
11:20-11:30am	**Exhibitor Showcase/Break**				

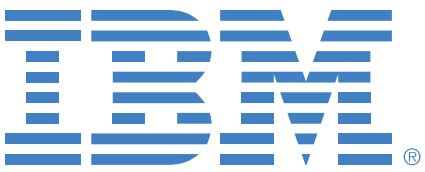
Special thanks to our Silver Sponsor IBM Security



NICE K-12 CYBERSECURITY EDUCATION CONFERENCE DAY 2 - DECEMBER 5, 2017 CONTINUED

11:30am-12:00pm **SESSION 2**	**CCEI: A 'New' Partner in K-12 Cybersecurity Education** **Speakers -** Dr. Greg von Lehmen - Special assistant for cybersecurity at the University of Maryland University College; Mark S. Loepker - Senior Advisor at Cyber Center for Education & Innovation (CCEI), Home of the National Cryptologic Museum (NCM)	**The NICE Challenge Project: Cyber workforce experience before the workforce** **Speaker -** Tony Coulson PhD - Professor, Director at Cyber Security Center	**Implementing National Standards in Your Cybersecurity Training** **Speaker** - Charles J Brooks - Vice President at Educational Technologies Group Inc	**Exploring the Power of Storytelling for Cybersecurity Education** **Speaker -** Laurin Buchanan - Principal Investigator with the Secure Decisions division of Applied Visions, Inc	**Using Connected Learning to Promote STEM and Cyber Awareness in the Classroom** **Speakers -** Marialice Curran & Curran Dee - Digital Citizenship Institute
12:00-1:30pm	**Exhibitor Showcase** **Lunch**				
12:00-1:30pm	**Lunch Keynote** **School Counselor Panel:** Jill Cook - Assistant Director at ASCA Liz Parker -Coordinator of School Counseling Programs at Williamsburg-James City County Public Schools Nicole Cobb - Senior Lecturer at Vanderbilt University Robert Officer - School Counselor at White County Middle School Terri Tchorzynski - 2017 School Counselor of the Year, and School Counselor at Calhoun Area Career Center				
1:30-1:40pm	**Exhibitor Showcase/Break**				
1:40-2:05pm **SESSION 3.1**	**Building an Effective Cybersecurity Summer Camp: SC Model** **Speaker -** Bill Littleton, Space and Naval Warfare Systems Center Atlantic as the Cyber Forensics Integrated Product Team Lead and STEM Cyber Security Outreach Team Lead	**Teaching Cybersecurity in the Computer Science Classroom** **Speaker -** Dr. Amy Fox, Valhalla High School, CSTA	**The Virginia Cyber Range: Proving Cloud-based Resources for Cybersecurity Education** **Speaker -** Sandra Schiavo, Lead Courseware Coordinator, Virginia Cyber Range	**PANEL -** **State and Local Cybersecurity CTE Session 2** **Facilitator -** Albert Palacios - Education Policy Analyst, U.S. Department of Education Speakers from Hawaii, North Carolina and Colorado	**Cyber Safety in the Classroom** **Speakers -** Patrick Craven, Director for the Center for Cyber Safety and Education
2:05-2:30pm **SESSION 3.2**	**The Need for Cybersecurity Training for Educators and Administrators** **Speaker -** Tonya Mead, CFE, CHFI, President, Shared Knowledge, LLC	**NICE Framework** **Speaker -** Bill Newhouse & Clarence Williams	**TBA**	**PANEL Continued - State and Local Cybersecurity CTE Session 2**	**How "Smokey The Bear Forest Fire", "Stop Drop and Roll", and "Quit Smoking" campaigns can support the cybersecurity workforce needs of the future.** **Speaker -** Loyce Pailen, Director, Center for Security Studies, UMUC
2:30-2:40pm	**Exhibitor Showcase** **Break**				

Special thanks to our Silver Sponsor IBM Security



NICE K-12 CYBERSECURITY EDUCATION CONFERENCE DAY 2 - DECEMBER 5, 2017 CONTINUED					
2:40-3:20pm **SESSION 4**	**Cybersecurity Career Exploration Platform Equips our Nation's Educators to Prepare the Next Generation of Cyber Professionals** **Speaker -** Kimberly Paradise, VP, Global Partnerships, LifeJourney	**Aligning Curriculum with Workforce Needs - Developing a Curriculum (DACUM) Chart for a Cybersecurity Analyst** **Speaker -** Chris Carter, Deputy Director, Virginia Space Grant Consortium (VSGC)	**CyberStart: Noteworthy Data from the $25 Million UK and US Pilot Programs** **Speaker -** Alan Paller - Director of Research at SANS Institute	**TBA**	**Social Media Awareness, Cyber bullying and The Internet, Navigating in the Digital Age An Educational Update for K--12** **Speaker** - Melissa Straub, Director, Educational Services, High Impact Youth Training Solutions, and STOP!T
3:20-3:30pm	**Exhibitor Showcase/Break**				
3:30-4:15pm	**Closing Keynote** **DIANE G. MILLER** DIRECTOR, INFOSEC OPERATIONS AND IDENTITY MANAGEMENT, DIRECTOR, GLOBAL CYBER EDUCATION AND WORKFORCE DEVELOPMENT PROGRAMS AT NORTHROP GRUMMAN				
4:15-4:30pm	**Closing Remarks**				

NOTES: