

2018 NICE K12 CYBERSECURITY EDUCATION CONFERENCE AGENDA

For session descriptions and presenter profiles, visit k12cybersecurityconference.org

CONFERENCE TRACKS

TRACK 1	TRACK 2	TRACK 3	TRACK 4	TRACK 5
INCREASING CYBERSECURITY CAREER AWARENESS	INFUSING CYBERSECURITY ACROSS THE EDUCATIONAL PORTFOLIO	INTEGRATING INNOVATIVE CYBERSECURITY EDUCATIONAL APPROACHES	DESIGNING CYBERSECURITY ACADEMIC & CAREER PATHWAYS	PROMOTING CYBER AWARENESS
TEXAS SALON B	TEXAS SALON C	TEXAS SALON F	SEGUIN A & B	CROCKET C & D

CONFERENCE AGENDA

Saturday, December 1, 2018 - Pre-Conference Workshop

12:30 - 1:00 p.m. Outside Crocket C & D	Workshop Registration/Badge Pickup
1:00 – 4:30 p.m. Crocket C & D	Workshop #1: Analysis and Investigation of Cyber-Based Scenarios <i>Kevin Nolten, Chuck Gardner, Cyber Innovation Center</i>

CONFERENCE AGENDA

Sunday, December 2, 2018 - Pre-Conference Workshops & Events

8:30 - 9:00 a.m. Outside Crocket C & D	Workshop Registration/Badge Pickup
9:00 a.m. – 12:00 p.m. Crocket C & D	Workshop #2: Hacker Resources and Classroom Cyber Range <i>David Hernandez, American Express Global Travel</i>
1:00 – 4:30 p.m. Crocket C & D	Workshop #3: Cybersecurity Essentials for Teachers <i>John Sands, Moraine Valley Community College</i>
1:00 – 5:00 p.m. Sam Houston High School	IBM #CyberDay4Girls <i>Off-site event for 6th-9th grade girls. Separate advanced-registration required</i>

CONFERENCE AGENDA

Monday, December 3, 2018

7:00 a.m. – 4:30 p.m. Texas Pre-Function East	Registration/Badge Pickup
7:00 – 8:00 a.m. Texas Pre-Function East	Breakfast Service <i>Sponsored by IBM</i>
8:00 a.m. – 6:00 p.m. Texas Ballroom Corridor	Exhibitor Showcase
7:55 – 8:00 a.m. Texas Salon D & E	Presentation of the Flag <i>Brackenridge High School JROTC Golden Female Color Guard</i>
8:00 – 8:05 a.m. Texas Salon D & E	Conference Welcome <i>Davina Pruitt-Mentle, National Initiative for Cybersecurity Education (NICE)</i>
8:05 – 8:10 a.m. Texas Salon D & E	Opening Remarks <i>Rodney Petersen, National Initiative for Cybersecurity Education (NICE)</i>
8:10 – 8:20 a.m. Texas Salon D & E	Mayor's Opening Remarks <i>Ron Nirenberg, City of San Antonio</i>

8:20 – 8:30 a.m. Texas Salon D & E	Remarks: San Antonio Chamber of Commerce <i>Will Garrett, CyberSecurity San Antonio</i>				
8:30 – 8:35 a.m. Texas Salon D & E	iKeepSafe Welcome and Keynote Introduction <i>Holly Hawkins, iKeepSafe</i>				
8:35 – 9:05 a.m. Texas Salon D & E	Opening Keynote <i>Kyla Guru, Bits N' Bytes Cybersecurity Education (BNBCE)</i>				
9:05 – 9:15 a.m. Texas Salon D & E	Department of Education and Office of Career, Technical, and Adult Education (OCTAE) Remarks <i>Albert Palacios, U.S. Department of Education Office of Career, Technical and Adult Education</i>				
9:15 – 9:20 a.m. Texas Salon D & E	Association of Career and Technology Education Remarks <i>Michael Connet – Association of Career and Technology Education (ACTE)</i>				
Concurrent Session 1 - 9:30 – 10:10 a.m.					
TRACK 1 TEXAS SALON B	TRACK 2 TEXAS SALON C	TRACK 3 TEXAS SALON F	TRACK 4 SEGUIN A & B	TRACK 5 CROCKET C & D	HANDS-ON DROP-IN SESSIONS REPUBLIC A
From Overwhelmed or Slacking to Ethical Hacking: Embedding Cybersecurity in Hats & Ladders' Youth-Centered Career Program	Cybersecurity Readiness Metrics	Defensive Hacking: A Collaboration in Teaching Between IBM and Hacker Highschool	Transforming the National Career Pathways Framework to Promote Cybersecurity	Protecting Viral Stuff: What K12 Students Should Know About Virtual Safety Before Attending a University	Resource Showcase 1 9:30 – 11:20 a.m.
<i>Ben Galynker Hats & Ladders</i>	<i>Mary Ann Hoppa (VA) Norfolk State University</i>	<i>Kim Truett (GA), Hacker Highschool</i>	<i>Charles Bales (IL) Moraine Valley Community College</i> <i>John Sands (IL) Moraine Valley Community College</i>	<i>Matt Paulson (UT) Weber State University</i>	Table 1: Start Engineering - Cybersecurity Style: Cybersecurity Career Awareness for Middle and High School Students <i>Stacie Harrison (MD), Bob Black (MD), Start Engineering</i> Table 2: Open Source Digital Forensics for K12 Educators <i>Don Davis (TX), Educational Researcher</i> Table 3: Integrating Cybersecurity into the STEM Classroom <i>Kevin Nolten (LA), NICERC</i> Table 4: SMART Communities Need A SMART Cyber Workforce <i>Minna Levine (GA), SMART Community Exchange</i>
Break, Networking, Exhibitor Showcase - 10:10 – 10:40 a.m.					
Concurrent Session 2 - 10:40 – 11:20 a.m.					
Using Pop Culture to Teach Cybersecurity to Generation Z	Innovative Approaches to Teaching Highschool Cybersecurity	Cryptography Integration for the K12 Classroom	Project Lead the Way: Launch of a National High School Cybersecurity Course	Strategic Plan for the National Initiative of Accelerating Cybersecurity Learning and Skills Development in a Diverse User Community	Table 5: Don't Be Fooled!: Avoiding Social Engineering and WiFi Spoofing <i>Diane Cornwell (TX), John Romero (TX), Texas A&M</i> Table 6: NSA Showcase: Cybersecurity Curriculum for K12 Teachers <i>Blair Taylor (MD), Maureen Turney (MD), National Security Agency (NSA)</i> Table 7: Cybersecurity Educational Resources <i>Sylvia Wood (TX), Rouse High School</i> Table 8: Bytes for Breakfast - A Small Rural High School's Answer to Getting Students Excited About Coding and Cybersecurity <i>Renee Himmelspach (NC), Amanda Campbell (NC) South Stokes High School</i>
<i>Ambareen Siraj (TN) Tennessee Tech</i> <i>Eric Brown (TN) Tennessee Tech</i>	<i>Brandon Milonovich (NY) Ardsley High School</i>	<i>Chuck Gardner NICERC</i>	<i>David Greer (IN) Project Lead The Way</i>	<i>Ronald L. Malden (NY) Chief Learning Officer</i>	

2018 NICE K12 CYBERSECURITY EDUCATION CONFERENCE AGENDA

Monday, December 3, 2018 CONTINUED

Concurrent Session 3 - 11:30 a.m. – 12:10 p.m.

TRACK 1 INCREASING CYBERSECURITY CAREER AWARENESS TEXAS SALON B	TRACK 2 INFUSING CYBERSECURITY ACROSS THE EDUCATIONAL PORTFOLIO TEXAS SALON C	TRACK 3 INTEGRATING INNOVATIVE CYBERSECURITY EDUCATIONAL APPROACHES TEXAS SALON F	TRACK 4 DESIGNING CYBERSECURITY ACADEMIC & CAREER PATHWAYS SEGUIN A & B	TRACK 5 PROMOTING CYBER AWARENESS CROCKET C & D	HANDS-ON DROP-IN SESSIONS REPUBLIC A
Hands-on Cybercamp with Networked Robots	The One Underrated Skill a Teen Should Learn: Infusing Ethical Hacking Across the Curriculum	Cyber-Engineering Security Education with the CybatiWorks Platform	Collaborative Partnerships Supporting the Cybersecurity Pipeline	Where to Begin? Steps in Creating a Cyber Aware Classroom	Resource Showcase 2 11:30 a.m. – 12:10 p.m., 1:40 - 2:10 p.m.
<i>Akos Ledecz (MD)</i> <i>Vanderbilt University</i> <i>Melinda Moore (MD)</i> <i>National Security Agency (NSA)</i>	<i>Kim Truett (GA),</i> <i>Hacker Highschool</i>	<i>Matthew Luallen (IL)</i> <i>CYBATI</i>	<i>Amanda Stoel (MI)</i> <i>Michigan Department of Education</i> <i>Tamara Shoemaker (MI)</i> <i>Midwest CISSE Chapter</i>	<i>Kacy Zurkus (MA)</i> <i>Freelance InfoSec and Cybersecurity Writer</i>	Table 1: CyberPatriot: A Fun Way to Stimulate STEM Interest with Middle and High School Aged Students <i>Alex Farrell (FL), Northrop Grumman</i> Table 2: CyberExplorers: The Struggles of Starting a Cybersecurity Summer Camp <i>David Hernandez (AZ), American Express Global Travel</i> Table 3: NICERC: Integrating Cybersecurity into the STEM Classroom <i>Kevin Nolten (LA), NICERC</i>
12:10 – 1:30 p.m. Texas Salon D & E	Luncheon and Cyber Signing Day Program <i>Sponsored by San Antonio Chamber of Commerce</i> <i>Keynote: Marina Alderete Gavito, USAA</i>				

Concurrent Session 4 - 1:40 – 2:20 p.m.

TRACK 1 TEXAS SALON B	TRACK 2 TEXAS SALON C	TRACK 3 TEXAS SALON F	TRACK 4 SEGUIN A & B	TRACK 5 CROCKET C & D	HANDS-ON DROP-IN SESSIONS REPUBLIC A
Nepris: Cyber Career Discovery	Vulnerable Web Server: Teaching Highschool Students How to Hack	Analysis and Investigation Through Cyber-Based Scenarios	Cybersecurity Education: Implementation in K12, a State Initiative	Digital Detox: The Need to Disconnect to Reconnect Cybersecurity Education	Resource Showcase 2 Continued 1:40 – 2:10 p.m.
<i>Sabari Raja (TX)</i> <i>Nepris</i>	<i>Johnathan Robison (TX)</i> <i>United States Army</i>	<i>Chuck Gardener (LA)</i> <i>NICERC</i>	<i>Moderator: Deanne Cranford-Wesley (NC)</i> <i>Forsyth Technical Community College</i> <i>Karen McPherson (NC)</i> <i>Linda Lay (NC)</i> <i>North Carolina Department of Public Instruction</i> <i>Orlando Terry (NC)</i> <i>North Carolina Career and Technical Education</i> <i>Kevin Nolten</i> <i>NICERC</i>	<i>Melissa Straub (NJ)</i> <i>Licensed Private Detective</i>	Table 1: CyberPatriot: A Fun Way to Stimulate STEM Interest with Middle and High School Aged Students <i>Alex Farrell (FL), Northrop Grumman</i> Table 2: CyberExplorers: The Struggles of Starting a Cybersecurity Summer Camp <i>David Hernandez (AZ), American Express Global Travel</i> Table 3: NICERC: Integrating Cybersecurity into the STEM Classroom <i>Kevin Nolten (LA), NICERC</i>

Concurrent Session 5 - 2:30 – 3:10 p.m.

TRACK 1 TEXAS SALON B	TRACK 2 TEXAS SALON C	TRACK 3 TEXAS SALON F	TRACK 4 SEGUIN A & B	TRACK 5 CROCKET C & D	HANDS-ON DROP-IN SESSIONS REPUBLIC A
Increasing Cybersecurity Career Awareness in San Antonio	Hands-on Cybersecurity Education in a K16 STEM Experience Continuum	Cool (and Free!): Things NSA is doing for K12 Cybersecurity Education	Shaping the Nation’s Cybersecurity Leaders: Insight from Five National Centers of Academic Excellence (CAEs) on K12 and Public-Private Partnerships	Cybersecurity Games: Educational Tools to Promote a Culture of Cybersecurity	Innovative Strategies Showcase 2:30 – 4:30 p.m.
<p><i>Moderator: Sean Attwood (TX) San Antonio Economic Development Foundation</i></p> <p><i>Joe Sanchez (TX) US Air Force</i></p> <p><i>Romanita Matta-Barrera (TX) San Antonio Works</i></p> <p><i>Josh Beck (TX) Northeast ISD</i></p> <p><i>Ben Peavy (TX) Accenture Federal Services</i></p>	<p><i>Amy Smith (PA) SAE International</i></p> <p><i>Christopher Ciuca (PA) SAE International</i></p>	<p><i>Blair Taylor (MD) National Security Agency (NSA)</i></p> <p><i>Maureen Turney (MD) National Security Agency (NSA)</i></p> <p><i>Tina Ladabouche (MD) National Security Agency (NSA)</i></p>	<p><i>Moderator: Amanda Keammerer (TX) San Antonio Chamber of Commerce</i></p> <p><i>Akhtar Lodgher (TX) Texas A&M</i></p> <p><i>Carol J. Jeffries-Horner (TX) Our Lady of the Lake University</i></p> <p><i>Troy Touchette (TX) San Antonio College</i></p> <p><i>Greg White (TX) University of Texas</i></p> <p><i>Tom Sahin (TX) St. Phillips College</i></p>	<p><i>Josef Klein (TX) Center for Infrastructure and Security (CIAS), University of Texas- San Antonio</i></p>	<p>Table 1: Underserved Communities to Cyber Careers: Increasing Diversity by Building Pathways for Success <i>Alex Farrell (FL), Northrop Grumman</i></p> <p>Table 2: Developing an Innovative Cybersecurity Pipeline <i>Deanne Cranford-Wesley (NC), Forsyth Technical Community College</i></p> <p>Table 3: K12 Cybersecurity Pathways: Equipping Cyber Warriors for the Future by Fostering Community and Corporate Collaborations <i>Elerod Morris (NC), Carver High School</i></p> <p>Table 4: A Scalable, Equitable, and Effective Solution for Cybersecurity Workforce Education <i>Sabiri Raja (TX), Nepris</i></p> <p>Table 5: Capture-the-Flag as a Tool for K12 Cybersecurity Education <i>David Raymond (VA), Virginia Tech</i></p>

Double Concurrent Session 6 - 3:20 – 4:30 p.m. (Two back-to-back sessions on related topics)

Spatial Thinking and Cybersecurity Education in Preschoolers and Early Elementary Students	“Bake In” Security by Infusing Cybersecurity Concepts into the K12 Curricula	Tools and Resources to Improve Cybersecurity Education	Creating Cybersecurity Career Pathways	Walking the Road to Digital Safety for Teachers and Students	Table 6: Establishing Proven Networking & Internship Opportunities for 9-12 Students <i>Thomas Rzemysk (NE), Mount Michael School</i>
<p><i>Lemi-Ola Erinkitola (IL) The Critical Thinking Child, LLC</i></p>	<p><i>Loyce Pailen (MD) University of Maryland University College (UMUC)</i></p> <p><i>Marquita Friday (MD) Maryland State Department of Education</i></p> <p><i>Scott Nichols (MD) Maryland State Department of Education</i></p>	<p><i>Latasha McCord (VA) Cybersecurity Education & Awareness Branch (CE&A) U.S. Department of Homeland Security</i></p>	<p><i>Moderator: Albert Palacios (MD) US Department of Education</i></p> <p><i>Jay Ramsey (VT) Vermont Agency of Education</i></p> <p><i>Oscar Aliaga (VT) Vermont Agency of Education</i></p> <p><i>Kathleen Steele (CA) San Bernardino County Schools</i></p> <p><i>Kyle Jones (OH) Sinclair College</i></p>	<p><i>David McGeary (TX) Harris County Department of Education</i></p> <p><i>Lynnice Hockaday (TX) Harris County Department of Education</i></p>	

2018 NICE K12 CYBERSECURITY EDUCATION CONFERENCE AGENDA

Monday, December 3, 2018 CONTINUED

Double Concurrent Session 6 Continued 3:20 - 4:30 p.m.

TRACK 1 INCREASING CYBERSECURITY CAREER AWARENESS TEXAS SALON B	TRACK 2 INFUSING CYBERSECURITY ACROSS THE EDUCATIONAL PORTFOLIO TEXAS SALON C	TRACK 3 INTEGRATING INNOVATIVE CYBERSECURITY EDUCATIONAL APPROACHES TEXAS SALON F	TRACK 4 DESIGNING CYBERSECURITY ACADEMIC & CAREER PATHWAYS SEGUIN A & B	TRACK 5 PROMOTING CYBER AWARENESS CROCKET C & D	HANDS-ON DROP-IN
Jettisoning Mantras of the Past to Leveraging AI: What AI Portends for the Future	How to Bring Hands-on Cybersecurity Demonstrations into the Classroom	Cyber Center for Education & Innovation, Home of the National Cryptologic Museum: Bringing Cybersecurity Education Together	Creating Cybersecurity Career Pathways Continued (See previous page for panelist names)	Bridging the Gap Between Millennials and the Cybersecurity Industry	Innovative Strategies Showcase Continued 2:30 – 4:30 p.m. (See previous page for table titles and descriptions)
<i>John McClurg (UT) Cylance</i>	<i>Collin Newberry (WI) American Family Mutual Insurance Company</i>	<i>Gregory Von Lehmen (MD) University of Maryland University College</i> <i>Mark Loepker (MD) National Cryptologic Museum Foundation</i>		<i>Shalini Kesar (UT) Southern Utah University (SUU)</i>	

4:40 - 6:00 p.m. Texas Salon D & E	Wine and Breadboarding Evening Social <i>Sponsored by NICERC & Palo Alto Networks</i>
--	---

4:40 - 6:00 p.m. Texas Ballroom Corridor	POSTER SESSIONS <i>Poster presentations will be scattered around the exhibitor hall in Texas Ballroom Corridor</i>								
	<table style="width: 100%; border: none;"> <tr> <td style="width: 25%; vertical-align: top;"> <p><i>Poster 1:</i> Earning College Credit with Free Online Cybersecurity Courses <i>Diane Cornwell (TX) Texas A&M</i></p> </td> <td style="width: 25%; vertical-align: top;"> <p><i>Poster 2:</i> Proposed Cybersecurity Merit Badge for the Boy Scouts of America <i>Michael Dunn (MS) United States Air Force</i></p> </td> <td style="width: 25%; vertical-align: top;"> <p><i>Poster 4:</i> Reverse Engineering Cybersecurity Professionals in K12 <i>Jim Smith (MD) Digital Network Group (DNG)</i></p> </td> <td style="width: 25%; vertical-align: top;"> <p><i>Poster 5:</i> The NICE Cybersecurity Workforce Framework <i>Bill Newhouse (MD), Clarence Williams (MD) National Initiative for Cybersecurity Education (NICE)</i></p> </td> </tr> <tr> <td style="vertical-align: top;"> <p><i>Poster 6:</i> Cybersecurity Now...for Our Future <i>Fran Bromley-Norwood (NV) Nevada Clark County School District</i></p> </td> <td style="vertical-align: top;"> <p><i>Poster 7:</i> CyberTexas Foundation: An Approach in Cybersecurity Education <i>Adam Cavazos (TX) CyberTexas Foundation</i></p> </td> <td style="vertical-align: top;"> <p><i>Poster 8:</i> Experiencing Cyber: An Exploratory Study on the Outcomes of Cybersecurity Training <i>JoJo DeFelippis (MD) University of Maryland University College (UMUC)</i></p> </td> <td style="vertical-align: top;"> <p><i>Poster 9:</i> The Twelve Pitfalls of Cloud Use <i>Sascha Kettler (Germany) Gronau IT Cloud Consulting</i></p> </td> </tr> </table>	<p><i>Poster 1:</i> Earning College Credit with Free Online Cybersecurity Courses <i>Diane Cornwell (TX) Texas A&M</i></p>	<p><i>Poster 2:</i> Proposed Cybersecurity Merit Badge for the Boy Scouts of America <i>Michael Dunn (MS) United States Air Force</i></p>	<p><i>Poster 4:</i> Reverse Engineering Cybersecurity Professionals in K12 <i>Jim Smith (MD) Digital Network Group (DNG)</i></p>	<p><i>Poster 5:</i> The NICE Cybersecurity Workforce Framework <i>Bill Newhouse (MD), Clarence Williams (MD) National Initiative for Cybersecurity Education (NICE)</i></p>	<p><i>Poster 6:</i> Cybersecurity Now...for Our Future <i>Fran Bromley-Norwood (NV) Nevada Clark County School District</i></p>	<p><i>Poster 7:</i> CyberTexas Foundation: An Approach in Cybersecurity Education <i>Adam Cavazos (TX) CyberTexas Foundation</i></p>	<p><i>Poster 8:</i> Experiencing Cyber: An Exploratory Study on the Outcomes of Cybersecurity Training <i>JoJo DeFelippis (MD) University of Maryland University College (UMUC)</i></p>	<p><i>Poster 9:</i> The Twelve Pitfalls of Cloud Use <i>Sascha Kettler (Germany) Gronau IT Cloud Consulting</i></p>
<p><i>Poster 1:</i> Earning College Credit with Free Online Cybersecurity Courses <i>Diane Cornwell (TX) Texas A&M</i></p>	<p><i>Poster 2:</i> Proposed Cybersecurity Merit Badge for the Boy Scouts of America <i>Michael Dunn (MS) United States Air Force</i></p>	<p><i>Poster 4:</i> Reverse Engineering Cybersecurity Professionals in K12 <i>Jim Smith (MD) Digital Network Group (DNG)</i></p>	<p><i>Poster 5:</i> The NICE Cybersecurity Workforce Framework <i>Bill Newhouse (MD), Clarence Williams (MD) National Initiative for Cybersecurity Education (NICE)</i></p>						
<p><i>Poster 6:</i> Cybersecurity Now...for Our Future <i>Fran Bromley-Norwood (NV) Nevada Clark County School District</i></p>	<p><i>Poster 7:</i> CyberTexas Foundation: An Approach in Cybersecurity Education <i>Adam Cavazos (TX) CyberTexas Foundation</i></p>	<p><i>Poster 8:</i> Experiencing Cyber: An Exploratory Study on the Outcomes of Cybersecurity Training <i>JoJo DeFelippis (MD) University of Maryland University College (UMUC)</i></p>	<p><i>Poster 9:</i> The Twelve Pitfalls of Cloud Use <i>Sascha Kettler (Germany) Gronau IT Cloud Consulting</i></p>						

Circadence exhibitor table:
Experience the hands-on activities and competitions with Circadence. Interact with mini games, battle rooms, and select mission-scenarios.

4:40 - 6:00 p.m. Texas Ballroom Corridor	Exhibitor Showcase <i>Over 30 exhibitor tables representing cybersecurity educational tools, resources, programs and products</i>
--	---

LIGHTNING TALKS

Informative presentations in 8 minutes or less. Talks begin at 4:40 p.m. and run consecutively. Times below are approximate.
Moderator: Jim Brazell, Pearson

4:40 - 6:00 p.m.
Texas Salon B

4:45 - 4:55 p.m. **Talk 1:**
Partnering with Professionals to Provide Hands-on Experience to Students
Collin Newberry (WI)
American Family Mutual Insurance Company

4:55 - 5:05 p.m. **Talk 2:**
Creating Mechanisms of Support for Cyber-Safe Schools
David McGeary (TX),
Lynnice Hockaday (TX)
Harris County Department of Education

5:05 - 5:15 p.m. **Talk 3:**
Towards Integrating NICE Cybersecurity in Education
Izzat Alsmadi (TX)
Texas A&M University San Antonio

5:15 - 5:25 p.m. **Talk 4:**
Cybersecurity Career Awareness for Middle and High School Students
Bob Black (MD),
Stacie Harrison (MD)
Start Engineering

5:25 - 5:35 p.m. **Talk 5:**
Cybersecurity in Existing STEM Courses: Connecting Cybersecurity to the NGSS & Common Core
Mike Borowczak (WY) Cybersecurity Education and Research Center & Lab (CEDAR)
Andrea Borrows (WY)
School of Teacher Education

5:35 - 5:45 p.m. **Talk 6:**
Innovative Learning Model for High School Cybersecurity Education: The Fortnight Defense Game Paves the Way
Susan Ferebee (AZ)
Purdue University.

5:45 - 5:55 p.m. **Talk 7:**
Accelerating Cybersecurity Learning with Bootcamps and Industry Partnerships
Vaibhav Bhandari (CA)
San Jose City College



Cybersecurity is one of the most critical issues of our generation.

IBM Security is looking for applicants with strong business or technical skills, a passion for technology and software, strong teaming skills and leadership potential.

If you want to help protect the world's data and transform the security industry, we want to hear from you.

1.5 Million unfilled IT security jobs globally projected by 2020

Careers with IBM Security:
<http://www.ibm.com/employment/security>



You're invited to the #NICEK12 Wine & Breadboarding EVENING SOCIAL



-Classroom tools demos
-Boe-Bots, Micro:bits, & Raspberry Pis
-Lightning talks
-Poster sessions
-Free appetizers
-Cash bar

Sponsored by:



**MONDAY, DEC 3, 4:40-6 PM
GRAND HYATT 4TH FLOOR**

CYBERCRIME IS CREATING JOBS. 3.5 MILLION ARE PREDICTED TO GO UNFILLED BY 2021.*

University of Maryland University College can help prepare you with the latest skills in cybersecurity, cyber technology, cyber policy and digital forensics. At UMUC, you'll learn from faculty who are leaders in the field, gain hands-on experience and earn a respected cyber degree designed to help you meet the demand.

We are proud to be a sponsor of the 2018 NICE K12 Cybersecurity Education Conference

*Source: Cybersecurity Market Report, Cybersecurity Ventures, May 31, 2017.

Stop by our booth or visit UMUC.EDU



2018 NICE K12 CYBERSECURITY EDUCATION CONFERENCE AGENDA

For session descriptions and presenter profiles, visit k12cybersecurityconference.org

CONFERENCE AGENDA

Tuesday, December 4, 2018

7:00 a.m. – 12:00 p.m. Texas Pre-Function East	Registration/Badge Pick-up
7:00 a.m. – 3:50 p.m. Texas Ballroom Corridor	Exhibitor Showcase
7:00 – 7:55 a.m. Texas Pre-Function East	Breakfast & Community Connection Sessions
7:55 - 8:00 a.m. Texas Salon D & E	Presentation of the Flag <i>Robert G. Cole High School AJROTC Color Guard</i>
8:00 – 8:10 a.m. Texas Salon D & E	Welcome and Announcements <i>Davina Pruitt-Mentle (MD), National Initiative for Cybersecurity Education (NICE)</i>
8:10 – 8:20 a.m. Texas Salon D & E	NICE K12 Sub-Group Chair Remarks <i>David Hernandez (AZ), American Express Global Travel and NICE K12 Subgroup Chair</i>
8:20 – 8:25 a.m. Texas Salon D & E	NICE K12 Cybersecurity Education Conference Planning Committee Remarks <i>Anthony Ascii (FL), Palm Beach Schools</i>
8:25 – 8:30 a.m. Texas Salon D & E	Keynote Introduction <i>Marian Merritt, National Initiative for Cybersecurity Education (NICE)</i>
8:30 – 9:00 a.m. Texas Salon D & E	Keynote: Data Security and Privacy in an Interconnected World <i>Rhonda Childress, IBM</i>
9:00 – 9:45 a.m. Texas Salon D & E	Student Panel <i>Moderator: Davina Pruitt-Mentle (MD), National Initiative for Cybersecurity Education (NICE); Caleb Scott (TX), FloatMe; Kyla Guru, Bits N' Bytes Cybersecurity Education (BNBCE); Landon Valdez (TX), Design and Technology Academy; Finn Burmeister-Morton (TX), La Vernia High School</i>
9:45 – 10:15 a.m. Texas Ballroom Corridor	Break, Networking, Exhibitor Showcase

Double Concurrent Session 7 - 10:15 - 11:20 a.m. (Two back-to-back sessions on related topics)

TRACK 1 INCREASING CYBERSECURITY CAREER AWARENESS TEXAS SALON B	TRACK 2 INFUSING CYBERSECURITY ACROSS THE EDUCATIONAL PORTFOLIO TEXAS SALON C	TRACK 3 INTEGRATING INNOVATIVE CYBERSECURITY EDUCATIONAL APPROACHES TEXAS SALON F	TRACK 4 DESIGNING CYBERSECURITY ACADEMIC & CAREER PATHWAYS SEGUIN A & B	TRACK 5 PROMOTING CYBER AWARENESS CROCKET C & D	HANDS-ON DROP-IN SESSIONS REPUBLIC A
Mission South Dakota: Increasing Cybersecurity Education and Career Awareness in Rural Schools	All Girls, All In: Promoting Discovery and Curiosity in Cybersecurity with Hands-On Lessons at an All-Girls School	The Virginia Cyber Range: A Model for One-stop Shopping for K12 Cybersecurity Educators!	State and Local Cybersecurity CTE Panel	ICAC-iKeepSafe Incident Response Tool for Schools	Resource Showcase 3 10:15 - 11:20 a.m. Table 1: Cybersecurity Education Research and Outreach Center: Capture the Flag (CTF) <i>Ambareen Siraj (TN), Eric Brown (TN)</i> <i>Tennessee Tech</i>

<i>Rob Honomichl (SD)</i> <i>Dakota State University</i>	<i>Thomas Heverin (PA)</i> <i>Drexel University</i>	<i>David Raymond (VA)</i> <i>Virginia Tech</i>	<i>Moderator: Albert Palacios</i> <i>U.S. Department of Education</i> <i>Kristi Rice, Ed Mondragon,</i> <i>Ellen Frey,</i> <i>Katrina Riggelman</i>	<i>Joe Laramie (TN)</i> <i>National Criminal Justice Training Center</i>	Table 2: Cybersecurity Awareness and Cybersecurity Career Awareness Resources Starting in K12 <i>John Sands (IL), Charles Bales (IL)</i> <i>Moraine Valley Community College</i>
Build It, and They Will Come: Learn How IBM Volunteers Built #IBMCyberDay4Girls	Developing the Holistic Student: Integrating Cybersecurity Across the Disciplines	BUILDING LINKS: How Augusta University Grows K12 Interest in Cybersecurity by 100% With Open Access to its Virtual Cyber Lab	Integrating Quality Cybersecurity Curriculum and Labs Mapped to the NICE Framework into Existing Academic Programs	Intro to the iKeepSafe Data Privacy in Education Training Course	
<i>Ann Graham (Canada)</i> <i>IBM</i>	<i>Ashley Greeley (IN)</i> <i>National Security Agency (NSA)</i>	<i>Joanne Sexton (GA)</i> <i>Augusta University Cyber Institute</i> <i>Karen Ribble (GA)</i> <i>Augusta University</i>	<i>Thomas Treveethan (VA)</i> <i>Palo Alto Networks</i>	<i>Holly Hawkins (VA)</i> <i>iKeepSafe</i> <i>Felicia Rateliff (MO)</i> <i>iKeepSafe</i>	
11:30 a.m. – 12:00 p.m. Texas Salon D & E	Plenary Keynote: From Pine Trees to the Alamo City: My Journey Through Higher Education and How I Became a Trailblazer in My Family <i>James Rivera (TX), University of Texas at San Antonio Graduate</i>				
12:00 – 12:30 p.m. Texas Pre-Function East	Lunch Service				
12:30 – 1:15 p.m. Texas Salon D & E	Industry Panel <i>Moderator: Iris Gonzalez (TX), StartupsSanAntonio.com; Kayvee Kondapalli (TX), Firstmark Credit Union; Irma Symons (TX), IPSecure Inc.; Susan Swearingen Oelsen, Project QUEST, Inc., Dan Myers, Palo Alto Networks Cybersecurity Academy</i>				
Concurrent Session 8 - 1:30 – 2:15 p.m.					
TRACK 1 TEXAS SALON B	TRACK 2 TEXAS SALON C	TRACK 3 TEXAS SALON F	TRACK 4 SEGUIN A & B	TRACK 5 CROCKET C & D	
From Cybersecurity Awareness to Engagement to Graduation: Where Do Cyber Students Go After High School?	ExCIITED: Expanding Cybersecurity Innovative Incubator to Extended Demographics	Gamification > (Greater Than) Games	From Classroom to C-Suite: Innovative Cybersecurity Career Pathways	The Black Hatter: An Alice in Cyberland Escape Room Adventure for Schools	
<i>Moderator: Amanda Keammerer,</i> <i>San Antonio Chamber of Commerce</i> <i>Students from:</i> <i>San Antonio College,</i> <i>Sam Houston High School, San Antonio ISD,</i> <i>Virginia Allred Stacey Junior-Senior High School,</i> <i>Lackland ISD,</i> <i>Texas A&M University at San Antonio</i>	<i>SueAnne Griffith (AL)</i> <i>University of Alabama Huntsville</i>	<i>Brad Wolfenden (CO)</i> <i>Circadence Corporation</i> <i>Gordon Romney (CO)</i> <i>University of San Diego Center for Cybersecurity Engineering and Technology</i>	<i>Helvetiella Longoria (FL)</i> <i>Florida International University (FIU)</i> <i>Randy Pestana (FL)</i> <i>Florida International University (FIU)</i>	<i>Debi Pfitzenmaier (TX)</i> <i>Youth Code Jam</i>	
2:30 – 3:15 p.m. Texas Salon D & E	School Counselor Panel <i>Moderator: Jill Cook (VA), American School Counselor Association; Cassie Poncelow (CO), Poudre High School; Jennifer Curry (LA), Louisiana State University; Stephanie Lerner (TX), School Counselor Stephanie; Tammi Mackeben (TX), Socorro Independent School District</i>				
3:15 – 3:30 p.m.	Closing Remarks & Raffle -- MUST BE PRESENT TO WIN <i>Davina Pruitt-Mentle (MD), National Initiative for Cybersecurity Education (NICE)</i>				
END OF CONFERENCE					