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Association of Computer Technology Educators of

Spring Leadership Conference | 2017

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WIRELESS NETWORKING

April 26, 2017

Holiday Inn by the Bay • Portland, ME

Exhibitors

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Aruba, a Hewlett Packard Enterprise Company | www.arubanetworks.com
Aruba, a Hewlett Packard Enterprise company, is a leading provider of next-generation networking solutions for enterprises of all sizes worldwide. The company delivers IT solutions that empower organizations to serve the latest generation of mobile-savvy users who rely on cloud-based business apps for every aspect of their work and personal lives.
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CDW-G | www.cdwg.com
CDW-G is a leading multi-brand technology solutions provider to business, government, education and healthcare organizations in the United States, Canada and the United Kingdom. A Fortune 500 company with multinational capabilities, CDW-G was founded in 1984 and employs approximately 8,500 coworkers. Our broad array of offerings range from discrete hardware and software products to integrated IT solutions such as mobility, security, cloud, data center and collaboration. For more information about CDW-G, visit www.CDW.com.

Cisco Meraki | www.meraki.com
Meraki is an enterprise-class Cisco solution, while providing ease of deployment, provisioning and management. The Meraki platform brings together wireless, switching, security, telephony, IP surveillance, and mobile device management under one pane of glass. For more information, please contact Sarah de Tuboly at sdetubol@cisco.com or Curt Owen at cuowen@cisco.com

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FairPoint Communications| ADTRAN | www.fairpoint.com
FairPoint Communications is a telecommunications company that provides a full range of communications services to communities throughout the United States.
ADTRAN - A leading global provider of networking and communications equipment. Our products enable voice, data, video and Internet communications across a variety of network infrastructures. For more information go to www.adtran.com

Ockers Company | ockers.com
The Ockers Company is a leading value-added Information Technology solutions reseller and service provider to educational and healthcare organizations as well as corporate and small to medium business throughout New England. Ockers Company is a reseller and installer of Hewlett Packard/Aruba. For more information contact Amy Dupuis at Amy@Ockers.com

Welcome

Welcome to ACTEM's first spring leadership conference! This year's theme focuses on wireless networking. With the decreasing support from MLTI/DOE for wireless networks, we hope you find the day helpful.

ACTEM's goal in sponsoring this conference is to provide a forum of information for districts to explore options in wireless networking for their schools. General topics including erate, wireless security and many options for solutions along with a lunchtime keynote titled *Enabling Next Generation Wi-Fi in Today's Schools*.

Please be sure to visit the many vendors that have supported our efforts to bring this conference to you. Time slots are built into the conference program for you to visit these vendors.

We hope you enjoy this conference and gain valuable information to help you make informed decisions about the future of your school's wireless networks.

Future Leadership Conferences will have different focuses pertinent to school technology leaders. Please let us know how you liked our first conference and also suggest topics and themes for future events.

Enjoy the day!
Dennis Crowe, ACTEM President

Keynote

Enabling Next Generation Wi-Fi in Today's Schools
Michael McKerley, CTO and Vice President – Education Network of America

Wi-Fi is an incredibly powerful resource that connects our students and educators to today's diverse and global digital learning landscape. It is used in our schools, homes, libraries, and many of our public spaces. However, it is also an incredibly complex technology. Designing, deploying, and maintaining a successful WLAN is no easy task and unfortunately, simply adding more access points isn't the answer to delivering seamless and robust connectivity. Respected Wi-Fi expert Michael McKerley has put together a list of some of the common myths and realities surrounding current Wi-Fi networking products and services. During his informative presentation, he will outline these myths and discuss the steps Maine's school districts should consider when evaluating WLAN technologies to support their digital learning environments. During his informative presentation, he will outline these myths and discuss the steps Maine's school districts should consider when evaluating WLAN technologies to support their digital learning environments.

	All Workshop Rooms Located on the Second Floor			Workshop Rooms Accessible by Stairs or Elevator		
SCHEDULE	**York Room**	**Somerset Room**		**Cumberland Room**	**Lincoln Room**	**Oxford Room**
8:30 AM	**Opening & Welcome	Casco Bay Hall**				
Session 1 9:00 - 9:45 AM	**Comparing Wireless Techology & Vendors** *Dave Lavallee, ePlus Technologies*	**Smart Wireless Campus and Best Practices in K-12** *Doug Hyde, Aruba, a Hewlett Packard Enterprise company*		**Customized Wi-Fi solutions Created for Today, Engineered for Tomorrow** *Michael McKerley	ENA - Education Network of America*	**Why Cloud-Based WiFi is a Good Option for K-12** *Keith Brain, Fairpoint Communications & John Coyle, ADTRAN*	**E-Rate 101** *Amy Passow	CDWG E-Rate Specialist*
9:45 - 10:45 AM	**Vendor Time	Casco Bay Hall**				
Session 2 10:45 - 11:30 AM	**What you need to know about Wireless Security** *Dave Lavallee, ePlus Technologies*	**Wireless Architectures and Best Practices in K-12** *Dan Aguilar, Sr. Field Solutions Architect, Network Solutions	CDW-G*		**Discover Mobile Device Management technologies that are driving the Internet Of Things** *Dan Sullivan, Sr. Solution Architect	Whalley Computer Associates*		**Overview of E-Rate & Wi-Fi Options** *Anne Perloff	Maine State E-Rate Coordinator for Schools*
11:30 AM - 1:00 PM	**Lunch, Keynote & Vendor Time	Casco Bay Hall**				
Session 3 1:00 - 1:45 PM	**Comparing Wireless Techology & Vendors** *Dave Lavallee, ePlus Technologies*	**Wireless Architectures and Best Practices in K-12** *Dan Aguilar, Sr. Field Solutions Architect, Network Solutions	CDW-G*		**Discover Mobile Device Management technologies that are driving the Internet Of Things** *Dan Sullivan, Sr. Solution Architect	Whalley Computer Associates*	**Why Cloud-Based WiFi is a Good Option for K-12** *Keith Brain, Fairpoint Communications & John Coyle, ADTRAN*	**Overview of E-Rate & Wi-Fi Options** *Anne Perloff	Maine State E-Rate Coordinator for Schools*
1:45 - 2:15 PM	**Afternoon Snack & Vendor Break	Casco Bay Hall**				
Session 4 2:15 - 3:00 PM	**What you need to know about Wireless Security** *Dave Lavallee, ePlus Technologies*	**Smart Wireless Campus and Best Practices in K-12** *Doug Hyde, Aruba, a Hewlett Packard Enterprise company*		**Customized Wi-Fi solutions Created for Today, Engineered for Tomorrow** *Michael McKerley	ENA - Education Network of America*		**E-Rate 101** *Amy Passow	CDWG E-Rate Specialist*
3:10 PM	**Closing & Door Prizes	Casco Bay Hall**				

Workshop Descriptions:

Comparing Wireless Technologies & Vendors | Sessions 1 & 3
This session will take a platform neutral look at today's wireless technologies and what is right for your school. We will look at the leading vendors and do a comparison of different architectures, models, and feature sets. This session will also provide the opportunity for participants to share their own experiences in a round-table format. **Dave Lavallee, ePlus Technologies**

Smart Wireless Campus and Best Practices in K-12 | Sessions 1 & 4
Computer-based learning is far more engaging to today's tech-savvy students than outdated textbooks. As a result, digital learning is gathering momentum in schools across the world. This places new pressures on school wireless LANs (WLANs). This session explores the top 10 things you should consider when choosing a WLAN to support your digital learning initiatives.
Doug Hyde, Aruba, a Hewlett Packard Enterprise company

Customized Wi-Fi solutions Created for Today, Engineered for Tomorrow:
ENA Air, ENA AdvantEdge and ENA Wi-Fi Professional Services | Sessions 1 & 4
Anytime, anywhere learning is critical for today's learners. Students, educators, staff, and guest community members need continuous, secure connectivity without experiencing Wi-Fi drop offs or delays. Join us to explore and discuss options for comprehensive managed Wi-Fi solutions, self-managed turnkey Wi-FI services, and expert Wi-Fi professional services to help you provide exceptional Wi-Fi to your community and meet and exceed the needs of your most demanding users. Discover the transformative impact ENA's Wi-Fi solutions can have on your learning environment. **Michael McKerley, CTO and VP– Education Network of America**

Why Cloud-Based Wi-Fi is a Good Option for K-12 | Sessions 1 & 3
Learn why schools are turning to cloud-based Wi-Fi solutions. With its scalability, flexibility, ease of management, and lower upfront costs, cloud-based Wi-Fi can address schools' needs today while providing a path to support tomorrow's bandwidth and endpoint security requirements. **Keith Brain, Fairpoint Communications and John Coyle, ADTRAN**

Workshop Descriptions:

E-Rate 101 | Sessions 1 & 4
CDW•G has the experience to help schools maximize their E-Rate funding. In 2014, the program was modernized to better support the ever expanding needs of connectivity in K12 School Districts. We'll go over the basics of the program, with a focus on Category 2 or Internal Connections. **Amy Passow, CDWG E-Rate Specialist**

What you need to know about Wireless Security | Sessions 2 & 4
This session is geared to anyone interested in learning more about how to protect their wireless network from security threats. We will examine industry trends, new technologies and look at what other school districts are doing to protect themselves. The goal will also be to look at what is available in the market to determine what tools are most cost-effective to provide the maximum protection for school districts without breaking the bank. **Dave Lavallee, ePlus Technologies**

Wireless Architectures and Best Practices in K-12 | Sessions 2 & 3
A guide to the various wireless architectures available, along with factors to consider when planning an implementation of best in class Wi-Fi networks. **Dan Aguilar, Sr. Field Solutions Architect, Network Solutions, CDWG**

Overview of E-Rate and Wi-Fi Options | Sessions 2 & 3
This workshop will present an overview of the E-Rate application process and identify Wi-Fi components that are eligible for E-Rate funding. It will be offered by **Anne Perloff, Maine State E-Rate Coordinator for Schools.**

Discover Mobile Device Management technologies that are driving the Internet Of Things | Sessions 2 & 3
From Wearables, to Coke Machines, to the Amazon Drone Fleet and inside your new car; it's here NOW!
Dan Sullivan, Sr. Solution Architect | Whalley Computer Associates

October 12-13 *SAVE THE DATE* ACTEM 2017 Conference

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ACTEM 2017 Conference

Our 30th Annual Conference!

Oct. 12-13, 2017

Augusta Civic Center | Augusta, ME

Exhibitors

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Ruckus Wireless | www.ruckuswireless.com

Ruckus Wireless was originally founded in 2002 to develop equipment that would use Wi-Fi to run entertainment-quality video simultaneously to all the TVs and computers in a home. Ruckus' technology expertise now extends well beyond Wi-Fi. With its OpenG technology, Ruckus is again a pioneer, working to build an ecosystem that will enable organizations to self-deploy LTE coverage in the same way they deploy Wi-Fi today. And Ruckus Wi-Fi itself is now much more than super-fast connections, it's a platform for a host of capabilities—like location analytics and engagement technology—that can reduce cost, increase efficiency, improve customer loyalty and increase revenue. For more information contact Russ Cook at Russ.cook@ruckuswireless.com

Systems Engineering | www.syseng.com

Systems Engineering has extensive experience providing information technology solutions to hundreds of northern New England school systems. We help school systems leverage IT to manage growth and streamline internal operations. We work to minimize operational risk while aligning IT with your goals to achieve academic and operational excellence. As your IT partner, SE is committed to providing the highest level of support and services to your students and teachers. Visit syseng.com to learn more.

Whalley Computer Associates | www.wca.com

Whalley Computer Associates, Inc. (WCA) is one of the largest technology providers in North America (Top 1%). Founded in 1979, WCA provides all of the products and services that you would expect from a World Class technology partner to companies of all types and sizes as well as schools, colleges, state and local governments and agencies. For more information contact Jason Shelander at jss@wca.com or call 508.468.9705

Wi Fi

**Holiday Inn by the Bay
Wireless Network Password
blossom17**

Wi Fi