

The 31st Annual Information Technology Summit & Tradeshow

*IT Summit Brochure
– Final Edition*

Thursday, May 31st, 2018
7:30 am to 4:00 pm
Holiday Inn by the Bay
88 Spring Street, Portland, Maine

www.mtug.org/summit

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learn.**

*The Maine Technology Users Group
PO Box 8549, Portland, ME 04104
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IT Summit Agenda!

IN THE LOBBY at REGISTRATION:
the Bates College Code, Choreography
& Music team share their work!

**7:30 – 8:30 am – Attendee Registration in Lobby (1st fl)
Continental Breakfast in Casco Bay Hall (downstairs)**

8:00 – 8:30 am – Student Orientation – Cumberland Room, 2nd Fl.

7:30 am – 4:00 pm – Casco Bay Hall – Vendor Exhibits

Meet with vendors and view demonstrations and displays of new and innovative technology products and services.

8:30 – 9:00 am – Casco Bay Hall – Opening Remarks

MTUG executive director Kate Carpenter and board president Alan Bakutis welcome attendees and introduce the 31st Annual MTUG IT Summit and Tradeshow.

9:15 – 10:15 am & 11:15 am – 12:15 pm

Educational Workshops – Morning Sessions

(See Workshop Schedule on page 6 for locations.)

Choose workshops from five (5) tracks – Cloud, I.T. Career Development, Security, I.T. Infrastructure, and Tech Sandbox (Schedule/Descriptions on pages 6-11).

**12:15 – 1:45 pm – State of Maine Banquet Hall Lunch,
Keynote Speaker, followed by Scholarship Presentations**

Dr. Rafael J. Grossmann, MD, FACS, Health Technology Innovator, Speaker and Instructor, presents “Mixed Reality & Beyond: The Smart Use of Technology Without Limits!”

2:15 – 3:15 pm

Educational Workshops – Afternoon Sessions

(See Workshop Schedule on page 6 for locations.)

Final chance to attend educational workshops.

3:30pm – Students Regroup at Reserved Table in CB Hall

Share your Summit experiences with fellow students!

3:00 pm – More Desserts in the Casco Bay Hall, and

3:30 – 4:00 pm – Final Remarks & Lots of Door Prizes!

4:00 pm – The 31st Annual IT Summit & Tradeshow ends.

THANK YOU ALL!

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Keynote Speaker:

Dr. Rafael J. Grossmann

**Trauma & General Surgeon, Health Technology
Innovator, Speaker and Instructor**



**“Mixed Reality & Beyond:
The Smart Use of Technology Without Limits!”**

Dr. Grossmann will explore current trends and the future of the smart application of Augmented Reality, Virtual Reality, and Mixed Reality technologies in healthcare and education. He will demonstrate different platforms for mHealth (mobileHealth), AR, VR and Mixed Reality - making an argument for the smart use of these technologies to improve medicine, medical education, and global access to Healthcare.

About Dr. Rafael J. Grossmann, MD, FACS

Dr. Grossmann is a general, trauma, advanced laparoscopic, and robotic surgeon. He completed his surgery residency in Ann Arbor, Michigan, and now practices in Maine.

Throughout his career, Dr. Grossmann has tapped the power of technology to provide better, more humane medical care. Dr. Grossmann was one of the earliest Google Glass pioneers, and in 2013, was the first doctor to use Google Glass during surgery.

A telemedicine, global health, and digital medicine advocate, Dr. Grossmann believes innovations in healthcare technology, such as Mobile and Wearable platforms, Virtual, Augmented and Mixed Reality, along with AI, Deep Learning, Blockchain, Nanotechnology, 3D printing, and Robotics, will exponentially improve healthcare connectivity, communication, and data management, and result in more efficient, intuitive, less expensive, and more empathetic patient care and medical education, as well as improved global access to healthcare.

*Follow Dr. Grossmann's work and health tech innovations online at:
www.RafaelGrossmann.health or via Twitter @ZGJR.*

The 2018 Scholarship Awards

MTUG has worked with locally-involved businesses for 7 years to raise scholarships for students in year 3 or 4 of an IT-related program in the University of Maine System, with grants available for up to two years. We are grateful to our donors for their generous contributions, and to the University of Maine Foundation for administering the program. In 2018, a record eight sponsors, together with MTUG's partial match, bestowed grants to nine recipients for a total of \$11,500 in student scholarships. Our 2018 corporate donors were Tyler Technologies (two scholarships), Connectivity Point/Group, Consolidated Communications, Lincolnville Communications, Norway Savings Bank, GWI, Maine Fiber Company, and Systems Engineering.

Thank you, donors!

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Recipients

A warm thank you for our 2018 Scholarship donors and administrators:



2018 MTUG–Tyler Technologies \$1,500 Scholarship I:

Chad Buote of Orono, Maine. Chad is a Senior Computer Science major at the University of Maine in Orono. He is a second-year scholarship recipient.

2018 MTUG–Tyler Technologies \$1,500 Scholarship II:

Garrett Robinson of Eliot, Maine. Garrett is a Senior Mechanical Engineering major at the University of Maine in Orono. He is a second-year scholarship recipient.

2018 MTUG–Connectivity Point/Group \$1,000 Scholarship:

Elijah Pangburn of Easton, Maine. Elijah is a Junior Construction Engineering Tech major at the University of Maine in Orono.

2018 MTUG–Consolidated Communications \$1,500 Scholarship:

Alex Menter of Berwick, Maine. Alex is a Senior Electrical Engineering major at the University of Maine in Orono.

2018 MTUG–Great Works Internet (GWI) \$1,000 Scholarship:

Steele Muchemore-Allen of West Newfield, Maine. Steele is a Junior Computer Engineering major at the University of Maine in Orono.

2018 MTUG–Lincolnville Communications \$1,500 Scholarship:

Stephanie Poirier of Biddeford, Maine. Stephanie is a Senior Electrical Engineering major at the University of Maine in Orono. She is a second-year scholarship recipient.

2018 MTUG–Maine Fiber Company \$1,000 Scholarship:

Hudson Bird of Topsham, Maine. Hudson is a Junior Electrical Engineering major at the University of Maine in Orono.

2018 MTUG–Norway Savings Bank \$1,500 Scholarship:

Alex Barnett of Calais, Maine. Alex is a Junior Electrical Engineering major at the University of Maine in Orono.

2018 MTUG–Systems Engineering \$1,000 Scholarship:

Jack Britton of Falmouth, Maine. Jack is a Senior Computer Engineering major at the University of Maine in Orono. He is a second-year scholarship recipient.

MTUG thanks Dr. Ron Brown, MTUG Scholarship Liaison and board member, for his efforts to raise awareness of this program, and to Holly Hatch and Dee Gardner of the University of Maine Foundation for organizing and allocating this year's scholarships.

Summit Workshops At-A-Glance

Room & Track	Session A (9:15 – 10:15 AM)	Session B (11:15 AM–12: 15 PM)	Session C (2:15 – 3:15 PM)
CLOUD Track			
Cumberland Room	<p>Azure Migration: A Phased vs. All-At-Once Approach Erik Thomas, Systems Engineering & Gary Grunewald, Pine State Trading</p>	<p>Deploying Azure-based Windows 10 Desktops in Days: How Bioverativ Empowers Employees and Partners Bob Dyer, Bioverativ; Jennifer Piniaha, Workspot; & Dan Bergeron, Skyterra TECH SKILL LEVEL: Intermediate</p>	<p>Cloud All of the Things Jerred Edson & Christopher Falk, MPX TECH SKILL LEVEL: Intermediate</p>
I.T. CAREER DEVELOPMENT Track			
York Room	<p>DevOps in a Chaotic Situation: A Practical Guide for When Everything is on Fire, and why it's all Going to be Okay! Dan Jandreau & Benjamin Hamilton, Idexx Laboratories TECH SKILL LEVEL: Basic</p>	<p>Building Maine's IT and Security Workforce Through Short-Term Education Programs. Purdue University Global & Kennebec Valley Community College</p>	<p>Information Security Certification: Do you have what it takes? Peter Fortunato, Baker Newman Noyes</p>
SECURITY Track			
Kennebec /Lincoln Room	<p>Using Office 365 Secure Score to enhance your Microsoft Cloud Security. Chris Rhoda, Thomas College TECH SKILL LEVEL: Basic/Intermediate</p>	<p>Cost-Effective Cybersecurity Techniques for Current Risks. InfraGard partners Frank Appunn, Thomas College, Barb Armstrong, Maine Medical Center, Jockel Carter, Sage Data Security & Patricia Bernier, Bath Savings Bank. TECH SKILL LEVEL: Intermediate</p>	<p>Threat Hunting and Killing in the Modern Network. Jockel Carter & Ron Bernier, Sage Data Security & Peter Higgins, Tyler Technologies TECH SKILL LEVEL: Intermediate</p>
Somerset Room		<p>SECURITY Track, cont'd (Somerset Room) Creating an automated end to end security Fabric to proactively protect from malicious cyber threats. Maine Veterans' Homes, & Fortinet TECH SKILL LEVEL: Intermediate</p>	
I.T. INFRASTRUCTURE Track Session A (9:15a) & Session C (2:15p) ONLY			
Somerset Room	<p>Network Redesign at Bates College. Bruce Hall, Bates College & Jason Rioux, Juniper Networks TECH SKILL LEVEL: Intermediate</p>		<p>Better, Faster, and More Local Access to the Internet & the Cloud in Maine. James Troutman, NNENIX & Jeff Letourneau, Networkmaine TECH SKILL LEVEL: Basic</p>
TECH SANDBOX Track			
Oxford Room	<p>Can Blockchain DLT revolutionize the automotive insurance industry? A business perspective. CGI & Central Maine Growth Council</p>	<p>Choreography, Composition, and Code: Introducing Computation through Collaboration & the Arts. Matt Jadud, Madison Hallowell, Rebecca Minsley, Bates College. TECH SKILL LEVEL: Basic</p>	

Educational Workshop Descriptions

CLOUD Track

Azure Migration:

[9:15am – Cumberland]

A Phased versus All-At-Once Approach

Essentially there are two ways to execute a cloud migration - all at once or piece-by-piece. Both options have their pros and cons for end users and IT administrators, and both have financial challenges. This session discusses the experiences of Pine State Trading who went through the "all-at-once" migration to a private cloud in 2016, and has since begun the "piece-by-piece" migration to Azure, both with Systems Engineering.

Attendees will hear a use case that will include what worked and what didn't, what migration can look like, best practices, and things to keep in mind when contemplating making the migration.

Erik Thomas, Senior Analyst – Systems Engineering;
Gary Grunewald, CFO – Pine State Trading

Deploying Azure-based Windows 10 Desktops in Days:

[11:15am – Cumberland]

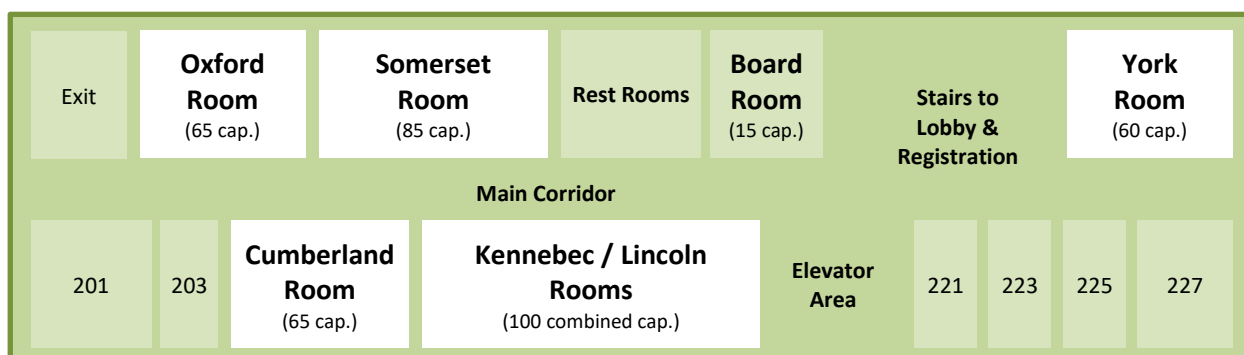
How Bioverativ Empowers Employees and Partners

TECH SKILL LEVEL: Intermediate

Bob Dyer, Chief Innovation Officer for Bioverativ, a Sanofi company, shares his experience of quickly and securely delivering Windows 10 desktops from Azure to his employees and partners with Workspot's Azure-based Desktop Cloud Service and SkyTerra Technologies. Discover how this Desktop as a Service solution is impacting his future plans for Bioverativ's efficient global on-boarding of new employees and additional use cases. Attend and learn how to prepare your Windows 10 desktop image in an Azure VDI deployment, connect your AD and data center network to Azure, and deploy virtual applications, desktops, and NVIDIA-powered GPU workstations from Azure in days.

Bob Dyer, Assoc. Director of Infrastructure and Operations – Bioverativ;
Dan Bergeron, Partner – Skyterra Technologies;
Jennifer Piniaha, Senior Director of Sales – Workspot

Holiday Inn – MTUG Workshop Rooms – 2nd Floor



Cloud Track, continued...

Cloud All of the Things

[2:15pm – Cumberland]

TECH SKILL LEVEL: Intermediate

Throughout 2017, MPX consolidated all of its servers and desktops from premises VMware and hosted Rackspace dedicated/cloud servers into AWS. Our story covers planning a migration, tools for migrating servers and data, and best practices and tools for managing and securing cloud workloads.

*Christopher Falk, Director, IT Operations & Security – MPX; and
Jerred Edson, IT Project Manager – MPX*

I.T. CAREER DEVELOPMENT Track

DevOps in a Chaotic Situation:

[9:15am – York]

A Practical Guide for When Everything is on Fire, and why it's all Going to be Okay!

TECH SKILL LEVEL: Basic

We've read about places like Netflix and Google where the ideal end states for DevOps are described in illustrious detail, but what often gets left on the editing room floor is the gruesome and gory details of how they got there.

IDEXX does DevOps across in its software teams. This is the tale of how one such team encountered struggles getting up to that ideal state of being, and what they are instituting to overcome the challenge of doing DevOps.

*Benjamin Hamilton, Manager – Idexx Laboratories, and
Dan Jandreau, Dev-Ops – Idexx Laboratories*

Building Maine's IT Security Workforce:

[11:15am – York]

Perspectives from Two Institutions & An Audience Discussion

Maine's 2.7% unemployment rate, low birth rate, and low population growth rate all combine to create unique challenges in meeting workforce shortages in high demand industries, particularly in I.T. and cybersecurity. The speakers will present specific findings in their recent research to assess the I.T. hiring needs of Maine organizations, and the education and certification needs of technology career hopefuls. Both speakers will briefly present what their respective programs are doing to address the employment gaps in cyber-security, network security, and IT, while acknowledging that more needs to be done. Then the speakers will invite feedback, new ideas, and discussion with participants in the audience to help brainstorm what more steps Maine's workforce pipeline should take to address the challenges. Managers, supervisors, recruiters, students, and people seeking to grow in the industry are all encouraged to attend and participate in the discussion.

*Colleen Ruggelo, Business Development Manager – Purdue Global University;
Elizabeth Fortin, Director of Workforce Training & Professional Development – Kennebec Valley
Community College*

I.T. Career Development Track, continued...

Information Security Certification: Do you have what it takes? [2:15pm – York]

This workshop will offer questions and answers common to many Information Security certifications, with a focus on how the concepts apply in the real world. Conversations will analyze the rationale and applicability of cybersecurity standards, and how they may be presented on certification exams.

Peter Fortunato, Manager - RBA – Baker Newman Noyes

SECURITY Track

Using Office 365 Secure Score to Enhance your Microsoft Cloud Security [9:15am - Kennebec/Lincoln]

TECH SKILL LEVEL: Basic/Intermed.

This presentation and live demonstration will show small businesses how to increase the security of their Microsoft cloud account using Secure Score and Azure ID Protection.

Chris Rhoda, VP and CIO – Thomas College

Cost-Effective Cybersecurity Techniques for Current Risks: [11:15am - Kennebec/Lincoln]
An update from InfraGard Maine partners

TECH SKILL LEVEL: Intermediate

Drawing on recent research, FBI, and DHS sources, this workshop provides cost-effective solutions for small to large organizations to reduce security risks. Attendees will receive specific techniques and resources to aid in the protection of their organizations.

InfraGard Maine, is a partnership between the FBI and members of the private sector. InfraGard provides a vehicle for public-private collaboration with government, expediting the timely information exchange, and promotes mutual learning opportunities relevant to the protection and resilience of infrastructure.

Barb Armstrong, InfraGard / Senior Director, IT Privacy & Security – Maine Medical Center;
Frank Appunn, President, InfraGard / Professor – Thomas College;
Jockel Carter, InfraGard / Senior Cybersecurity Professional – Sage Data Security;
Patricia Bernier, InfraGard / CIO – Bath Savings Bank

Creating an Automated End-to-End Security Fabric Solution: [11:15am – Somerset]
Proactive protection from malicious cyber threats

TECH SKILL LEVEL: Intermediate

This session will discuss the current threat landscape causing many of the costly, cyber security problems in business and personal networks today. First, the session focuses on starting with a sandbox, which independent studies show has a greater detection rate of malware (98.5% on average) compared to anti-virus (90%, using signature-based detection). Then, having a sandbox as the nucleus of the solution supports communication to firewalls. The next step is quarantining detected files at the end point, so the threat does not propagate throughout your network, nor among customers or business partners.

Security Track, continued...

...Brian Foote from Maine Veterans' Homes will present his success of implementing and supporting their security fabric solutions (firewall, sandbox, mail, end-point) and share stories of detecting and blocking malware/Zero-days. Brian will interject his experiences throughout the presentation.

Lastly, the session reviews having a SIEM to give single "pane of glass" view of both SOC and NOC, compliance reporting, IoT, and detect/alert on other types of threats, like DDoS, Brute force attacks, stolen credentials or Data Loss (DLP).

Brian Foote, Network Administrator – Maine Veterans' Homes;
David Leinberry, ATP product specialist & Mike Mokos, ATP engineer – Fortinet

Threat Hunting and Killing in the Modern Network [2:15pm - Kennebec/Lincoln]

TECH SKILL LEVEL: Intermediate

Come to this presentation to find out how modern threats are identified and dealt with in networks like yours. Methods and tactics will be shared. You will leave with a better understanding of how your practices match up with effective cutting-edge procedures that leverage automated tools and human intelligence. The battle is inside your castle and there are ways to win.

Jockel Carter, Senior Cybersecurity Professional – Sage Data Security,
Ron Bernier, Director of nDiscovery – Sage Data Security; and
Peter Higgins, Security Officer – Tyler Technologies;

I.T. INFRASTRUCTURE Track

Network Redesign at Bates College [9:15am – Somerset]

TECH SKILL LEVEL: Intermediate

If the network is supposed to be up all the time, how do you maintain and upgrade it? Asking that question led Bates College to convert their network topology from a "collapsed backbone" based on Layer 2 switching to a "distributed backbone" based on Layer 3 routing. This session shows how two different network designs have been used for the Bates campus network and includes a detailed look at the OSPF routing protocol.

Bruce Hall, Network Administrator – Bates College;
Jason Rioux, Systems Engineer – Juniper Networks

Better, Faster, and More Local Access to the Internet and the Cloud in Maine [2:15pm – Somerset]

TECH SKILL LEVEL: Basic

Worried about network neutrality issues and your increasing reliance on the Cloud? This workshop will provide case study examples of how ANY end-user organization can leverage the power of Internet BGP routing to reduce your Internet connectivity costs and avoid single points of failure. You will also learn how your organization can continue to access the neutral and open Internet no matter what happens in Washington DC, while simultaneously increasing the performance and reliability of your Internet & Cloud experiences – all by joining a local Internet Exchange Point.

James Troutman, Director – NNENIX;
Jeff Letourneau, Executive Director – Networkmaine

TECH SANDBOX Track



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Can Blockchain DLT revolutionize the automotive insurance industry? A business perspective.

[9:15am – Oxford Room]

This session will explore how Blockchain/DLT can simplify and provide transparency to the automotive insurance claims process, with insight and understanding using a specific business use case.

*Richard A. Bryant, Senior Consultant – CGI;
Garvan D. Donegan, Senior Economic Development Specialist – Central Maine Growth Council*

Choreography, Composition, & Code: Introducing Computation through Collaboration and the Arts

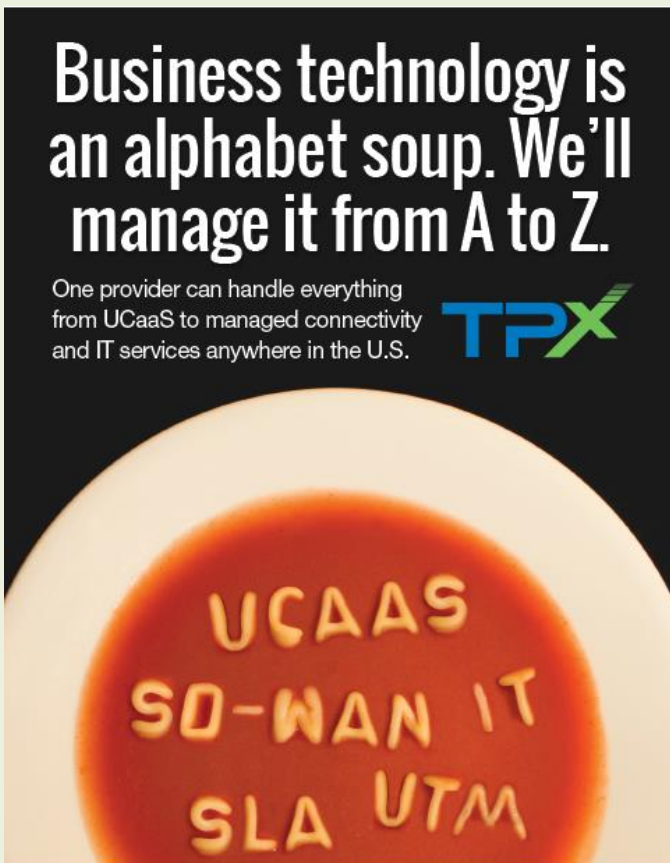
[11:15am – Oxford Room]

TECH SKILL LEVEL: Basic

Three faculty at Bates College linked their courses in Dance, Music, and Digital and Computational Studies to provide students with the opportunity to develop choreography and dance performances that, through sensing and code, drove the algorithmic composition of music. This workshop will challenge traditional notions of computational engagement as well as introduce participants to the best-of-breed in current embedded hardware and software for exploring programming for the first time.

Want to play along? Bring your own laptop (Mac/Win/Chrome/Linux) and the presenters can let you try out the devices on your own computer!

*Matt Jadud, Colony Family Associate of Digital and Computational Studies,
Madison Hallowell, Student, and Rebecca Minsley, Student – Bates College*



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Thank you to all our Workshop Presenters!

The Maine Technology Users Group – History and General Information

Over 30 years ago, in January 1987, under the sponsorship of the University of Southern Maine, representatives from various Maine businesses and organizations established the Maine Telecommunications Users Group.

In the winter of 2013, MTUG's name was changed to the Maine Technology Users Group to better reflect the scope of issues it addresses, and changes in the industry.

The following guidelines constitute MTUG's framework:

- MTUG organizes and supports informal and formal information technology training and networking events.
- MTUG holds regular meetings with topics of interest to both large and small IT consumers and producers. Meetings are normally held from September through April of each year.
- MTUG constituents share their ideas, experiences, and best practices of a wide variety of technical issues and topics.
- MTUG provides economic benefits to its constituents, Maine businesses and residents by working with technology and telecommunications providers and legislative and regulatory agencies to enhance the information technology infrastructure and services available in Maine.
- MTUG advances the understanding of state and national regulatory technology issues.
- MTUG alerts members to security issues such as scams or other fraudulent activities.
- MTUG shares information about IT job openings.
- There is no membership fee to participate in MTUG's regular monthly meetings. Meeting notices are sent via email to everyone who joins our mailing list at www.mtug.org, and are announced on MTUG's LinkedIn Group, as well as other online media outlets.

MTUG's current audience includes over 1600 individuals, made up of about 44% end-users (including IT professionals and managers in non-IT service/product organizations), 49% vendors (including regulated utilities and internet service providers), 5% consultants, and 2% government representatives.

The annual MTUG Information Technology Summit (formerly the Telecommunications and Computer Networking Conference), held in late spring or early summer, culminates the year's activities. The Summit offers an opportunity for IT professionals from a wide range of business interests to come together in an educational and congenial setting to exchange information and ideas.

Do you know someone who could benefit from MTUG's programs and services? Do you have an idea for a workshop topic? Do you just have questions and want to get involved? Contact Kate Carpenter, Executive Director at kcarpenter@mtug.org or 207-370-5327. Alternatively, visit us online at www.mtug.org to sign up for our newsletter, see our past meeting archives, post a discussion or check out our job board. Also join us on LinkedIn – just search for the Maine Technology Users Group.

Thank you for attending the 2018 MTUG IT Summit!

Additional Thanks for Support Year-Round

Numerous contributors year-round allow MTUG to successfully deliver interesting, novel educational programming to our audience, and allow the MTUG community to meet and share ideas.

This list is not exhaustive, but shows what a great team effort it is.

THANK YOU, ALL!

FOR TEACHING US:

August 24, 2017 MTUG Portland Peers & Beers:

Christopher Falk, MPX: "Instant Infrastructure with Amazon CloudFormation." **Cosponsored by Blue Spruce Technologies.**

September 13, 2017 "Live" MTUG Webinar #1: Beth Osler, Unitel, **Mike Reed**, FairPoint Communications, and **Ben Sanborn**, Telecommunications Association of Maine: "Broadband Update from TAM 2017."

September 27, 2017 MTUG Bangor Peers & Beers: Dr. Rafael Grossmann, healthcare technology innovator: "Google Augmedix at EMHS." **Cosponsored by FairPoint Communications.**

October 11, 2017 MTUG Webinar #2: Joe Minieri and **Zach Zimmerman**, L.L. Bean: "Case Studies in Cloud Security."

November 15, 2017 "Live" MTUG Breakfast Webinar #3: Ryan McArthur, Security Administrator; Adjunct Instructor: "Recent Security Breaches."

December 13, 2017 MTUG Webinar #4: Floyd Hilton, Tacoma Software: "DevOps Tools and Techniques."

January 17, 2018 MTUG Webinar #5: Edward Taggart, WEX, and **Nick Brandaleone**, Amazon Web Services: "Cables to the Cloud."

January 31, 2018 MTUG Lewiston Peers & Beers: Miljan Bajic, Agile Maine: "Why Agile is Eating the World." **Cosponsored by Systems Engineering.**

February 28, 2018 MTUG Webinar #6: Alice Barr, Yarmouth High School, **Eric Lawson**, York Schools: "GSuite in the School Community."

March 21, 2018 MTUG's FIRST Augusta Peers & Beers: Liz Wyman, Maine Office of the Public Advocate, "The Maine OPA – Consumer Advocates in an Age of Net Uncertainty." **Cosponsored by Consolidated Communications.**

April 11, 2018 MTUG Webinar #7: Eric Berube, Bowdoin College, and **Ande Smith**, Deer Brook Consulting: "Information Security & Data Inventories."

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Alexandra Heseltine, GCMD, New MTUG Website!

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Kyle Joyce, MTUG Event Assistant

Raija Suomela, MTUG Volunteer

Curt Sweet, NetWorks Consulting – MTUG Founder

Exhibitors in Casco Bay Hall

Please visit our Tradeshow Floor to learn more about our Exhibitors' products and services.

MTUG's Summit and year-round educational events wouldn't be possible without them!

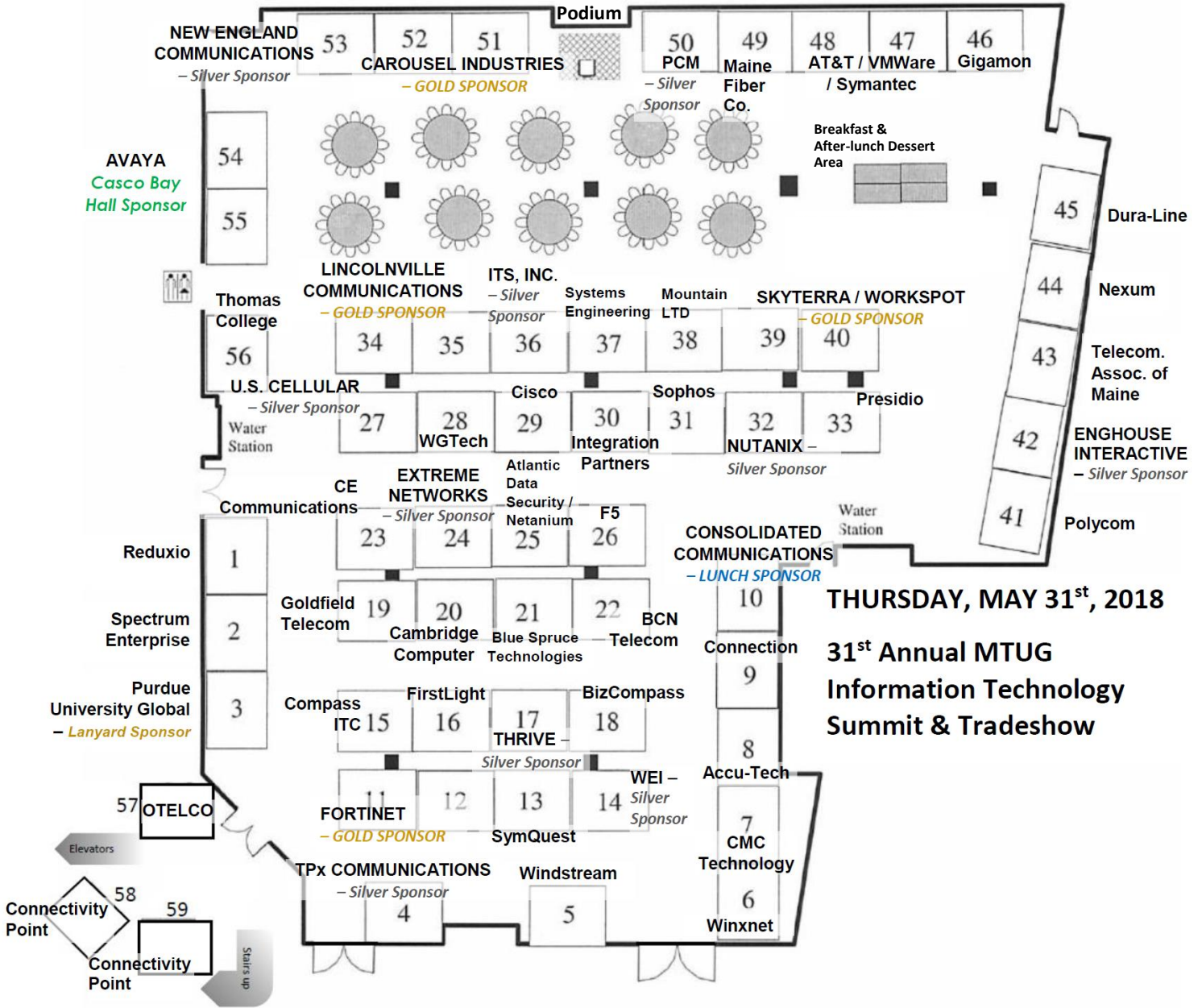
Visit all our exhibitors and have them checkmark their spot on the IT Summit "Grand Prize Passport" to enter the MTUG Grand Prize Drawing (**a Google Home, Home Mini, Wifi & Chromecast package worth \$300!**).

AND many exhibitors have their own door prize offerings too!

Company	Booth #	Company	Booth #
Accu-Tech	8	LCI – Lincolnville Communications – GOLD SPONSOR	34 & 35
AT&T / VMware / Symantec	47 & 48	Maine Fiber Company	49
Atlantic Data Security / Netanium	25	MOUNTAIN, LTD.	38
Avaya Inc. – CASCO BAY HALL SPONSOR	54 & 55	New England Communications – <i>Silver Sponsor</i>	53
BCN Telecom	22	Nexum	44
BizCompass	18	Nutanix – <i>Silver Sponsor</i>	32
Blue Spruce Technologies	21	OTELCO	57
Cambridge Computer	20	PCM – <i>Silver Sponsor</i>	50
Carousel Industries – GOLD SPONSOR	51 & 52	Polycom	41
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Cisco Systems	29	Purdue University Global – <i>Lanyard Sponsor</i>	3
CMC Technology Group	7	Reduxio	1
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Extreme Networks – <i>Silver Sponsor</i>	24	Thomas College	56
F5	26	Thrive – <i>Silver Sponsor</i>	17
FirstLight Fiber	16	TPx Communications – <i>Silver Sponsor</i>	4
Fortinet – GOLD SPONSOR	11 & 12	U.S. Cellular – <i>Silver Sponsor</i>	27
Gigamon	46	WEI – <i>Silver Sponsor</i>	14
Goldfield Telecom	19	WGTech	28
Integration Partners	30	Windstream	5
ITS, Inc. – <i>Silver Sponsor</i>	36	Winxnet	6

Casco Bay Hall Exhibit Floor Booth Map

Casco Bay Hall Sponsor: AVAYA



Casco Bay Hall Foyer/Entrance

More Booths,
Stairs/Elevators to
Registration & Workshops
& the Summit Keynote and Lunch.

Summit Lunch Sponsored by: Consolidated Communications

Lanyards Sponsored: Purdue University Global

31st Annual Information Technology Summit & Tradeshow

A Program of the Maine Technology Users Group

Thursday, May 31, 2018, 7:30 am – 4:00 pm

Holiday Inn by the Bay, 88 Spring Street, Portland, ME 04101

Registration fee:

Advanced Purchase \$50

At the Door (space permitting): \$60

Student Rate (by Tues 5/30/18) \$25

(Students must be active in a technology-related program

– see the student registration form for details at

www.mtug.org/summit.)

Registration includes:

- Continental breakfast
- Buffet lunch and afternoon dessert
- Selection of 15 concurrent workshops
- Tradeshow floor of over 50 technology vendors
- Tradeshow door prizes!

Register today! <http://www.mtug.org/summit>

Post-Summit Evaluation

MORE PRIZES! After the Summit, please fill in our Summit Evaluation and be entered to win another prize – a \$100 Amazon Gift Card!

www.mtug.org/summit-evaluation



**The Wireless
Internet Password
at the Holiday Inn is:**

Holiday18

(“IHGConnect” SSID)

What is MTUG?

The Maine Technology Users Group (MTUG) is an independent, non-profit organization dedicated to bringing IT professionals and business leaders together to network, educate, and share technology experiences. The annual MTUG IT Summit and Tradeshow, Maine's largest business technology event, provides an opportunity for professionals with varied interests to participate in educational sessions and exchange information and ideas.

For more information about MTUG monthly meetings and services, visit www.mtug.org.

Directions to the Holiday Inn by the Bay: From I-295 in Portland, take Exit 6a (Forest Ave/Rt 100 South). AVOID CONSTRUCTION - stay in middle lane and follow Forest Ave up the hill to Congress Street. Take a left onto Congress and the 1st right onto Oak Street. Stay on Oak across Free Street, stopping at Spring Street. The Holiday Inn by the Bay is across the street, with the garage slightly to the left, and the loading zone slightly to the right.

Parking: Garage Parking on the event day is a special IT Summit rate of \$5 until 5:30pm. For more parking info, go to the end of the Summit webpage at <https://www.mtug.org/summit#Parking>.

If you need special assistance to participate fully in this Summit, please contact MTUG's Executive Director, Kate Carpenter at 207-370-5327 (call or text) or by email: kcarpenter@mtug.org.