30th Annual
Information Technology
Summit & Tradeshow

MTUG

Maine Technology
Users Group

#MTUG2017

30 years

network.
learn.

30th Annual
Information Technology
Summit & Tradeshow

Wednesday, May 31st, 2017

7:30 am to 4:00 pm
30th Anniversary Reception 4-5:30pm

Holiday Inn by the Bay
88 Spring Street, Portland, Maine

www.mtug.org/summit

network.
learn.

The Maine Technology Users Group
PO Box 8549, Portland, ME 04104
207-370-5327 • www.mtug.org

Join Us 4-5:30pm!
30th Anniversary Reception
in the Maine Banquet Hall
-L.L. Bean Gift Card Door Prizes!

IT Summit Brochure Table of Contents:

MTUG is grateful for the contributions of our Premier IT Summit Sponsors

CASCO BAY HALL SPONSOR

IT SUMMIT LUNCH SPONSOR

IT Summit Agenda!

*History of Tech & Telecom "Techxibit"
all day just past Registration!*

**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 30th Annual MTUG IT Summit and Tradeshow.

**9:15 –10:15 am & 11:00 am –12:00 pm ← NEW TIMES!
Educational Workshops – Morning Sessions**
(See Workshop Schedule on page 6 for locations.)
Choose workshops from five (5) tracks – I.T. Career Development, I.T. Evolution, I.T. Infrastructure, Security, and Tech Sandbox (Schedule/Descriptions on pages 6-11).

**12:00 – 1:30 pm – State of Maine Banquet Hall
Lunch, Keynote Speaker, and Scholarship Presentations**
Keynote Robert J. Cocks, Google Cloud – Head of Operations, Customer Engineering presents *"Machine Learning @ Google."*

**2:00 – 3:00 pm ← NEW TIMES THIS YEAR!
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 30th Annual IT Summit & Tradeshow ends.

4:00 pm – 5:30 pm Join Us for a 30th Anniversary Reception in the State of Maine Banquet Hall
*Featuring remarks from Former Board Members Curt Sweet & Dick Curry
(same room as lunch – "Connecticut Room" doors)*

THANK YOU ALL!

**MTUG is grateful for
our IT Summit Sponsors.**

GOLD SPONSORS

at&t Business
with partners
vmware airwatch · Skycure

FORTINET

LCI · O.P.E.N. fiber network

Business U.S. Cellular

winspeed COMMUNICATIONS & morse technologies network consulting inc

MTUG is grateful for our IT Summit Sponsors.

SILVER SPONSORS

BRONZE SPONSOR

Keynote Speaker:

Robert J. Cocks

Google Cloud – Head of Operations, Customer Engineering

"Machine Learning @ Google"

Description

Why is machine learning technology important and why should the members of MTUG care? In this keynote, speaker Robert Cocks will explore several research projects at Google, and how Google has applied this research to real world products (for both consumers and businesses). Finally, the discussion will turn to near-future machine learning research, implications, and possibilities.

About Robert Cocks

Robert J. Cocks has global responsibility for Online Sales, Internal Tools and Technical Programs within the Google Cloud Customer Engineering organization. Since joining Google in 2011, Rob has focused on evolving Google's understanding of how clients can best leverage technology to greatest gain. Rob also has responsibility for ELDx, the Google Cloud leadership development group. Prior to joining Google, Rob spent 10 years at IBM, and held a variety of client facing roles across the Distribution and Healthcare verticals.

The 2017 Scholarship Awards

For six years, MTUG has raised scholarship funds for students in their 3rd or 4th year 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 2017, a record seven sponsors donating toward eight scholarships, together with MTUG's partial match, donated a total of $10,500 in student scholarships. Our 2017 corporate donors were Tyler Technologies for two scholarships, FairPoint Communications, Lincolnville Communications, Norway Savings Bank, GWI, Maine Fiber Company, and Systems Engineering. ***Thank you, donors!***

A warm thank you for our 2017 Scholarship donors and administrators:

Recipients

2017 MTUG–Tyler Technologies $1500 Scholarship I:

Michael Shae of Biddeford, Maine. Michael is a senior Electrical Engineering major at the University of Maine in Orono.

2017 MTUG–Tyler Technologies $1500 Scholarship II:

Garrett Robinson of Eliot, Maine. Garret is a senior Mechanical Engineering major at the University of Maine in Orono.

2017 MTUG–FairPoint Communications $1500 Scholarship:

Nathan Moore of Patten, Maine. Nathan – a previous scholarship recipient – is a senior Computer Science major at the University of Maine in Orono.

2017 MTUG–Lincolnville Communications $1500 Scholarship:

Stephanie Poirier of Biddeford, Maine. Stephanie is a senior Electrical Engineering major at the University of Maine in Orono.

2017 MTUG–Norway Savings Bank $1500 Scholarship:

Audrey Hoyle of Alfred, Maine. Audrey is a senior Bio-Chemistry major at the University of Maine, Orono campus.

2017 MTUG–Great Works Internet Scholarship $1000:

Michael Taylor-Hampton of Livermore Falls, Maine. Michael is a senior Computer Science major at the University of Maine's Farmington campus.

2017 MTUG–Maine Fiber Company Scholarship $1000:

Brandon Johnson of Jay, Maine. Brandon is a junior Computer Science major at the University of Maine in Farmington

2017 MTUG–Systems Engineering Scholarship $1000 Recipient:

Jack Britton of Falmouth, Maine. Jack is a Junior Civil Engineering major at the University of Maine's Orono campus.

Over its 6-year lifetime, thanks to many corporate sponsors, MTUG has helped raise $34,000 for students in technology and engineering fields.

Many thanks to Dr. Ron Brown, MTUG Scholarship Liaison and board member, in 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

Please note new times this year for Sessions B & C.

Room & Track	Session A (9:15 – 10:15 AM)	Session B (11:00 AM–12: 00 PM)	Session C (2:00 – 3:00 PM)
I.T. CAREER DEVELOPMENT Track			
York Room	**Automating Yourself to the Unemployment Line:** *How I Learned to Stop Worrying and Love DevOps* *Benjamin Hamilton, Idexx Laboratories*	**Negotiation Tools and Techniques for I.T. Professionals** *George Diorio, Ascending Thought, LLC*	
I.T. EVOLUTION Track (new!)			
Cumberland Room	**The Lego-ization of Next Gen Tech:** *Modularity, democracy, and real world challenges* *Rich Casselberry, Liberty Mutual Insurance*	**Take the Work Out of Getting Work Done with Team Messaging & Collaboration Applications** *Avaya with Ropes & Gray LLP*	**Using Microsoft Office 365 to Overcome Communication Barriers** *Systems Engineering & Criterium Engineers*
I.T. INFRASTRUCTURE Track			
Somerset Room	**High Availability and Network Protocols at Bates College** *Bruce Hall, Bates College* **TECH SKILL LEVEL: Intermediate**	**Cisco ASAP Data Center:** *From Vision to Reality at Martin's Point Health Care* *Cisco & Martin's Point Health Care* **TECH SKILL LEVEL: Intermediate**	**Flexible, Scalable, Affordable Small Space AV Solutions** *Connectivity Group & L.L. Bean* **TECH SKILL LEVEL: Basic**
SECURITY Track			
Kennebec / Lincoln Room	**Security:** *Maine Today, Tomorrow, and Potential Solutions* *InfraGard's Maine Member Alliance* **TECH SKILL LEVEL: Intermediate**	**Bits and Bytes Bore the Board:** *Communicating Security Vulnerabilities to the Enterprise* *Tenable Networks & Colby College* **TECH SKILL LEVEL: Intermediate**	**Cybersecurity on the Front Lines:** *What you need to know and how you need to plan* *Kaspersky Labs & Machias Savings Bank* **TECH SKILL LEVEL: Intermediate**
York Room		**4ᵗʰ SECURITY TRACK SESSION IS IN:** <u>York Room</u>	**2017 – The Year of Digital Transformation and Disruption:** *Securing against emerging threats* *Fortinet & South Portland* **TECH SKILL LEVEL: Basic**
TECH SANDBOX Track			
Oxford Room	**Implementing a Clonezilla DRBL Server as a Deployment Solution for Small Businesses** *Howard Burpee, Southern Maine Community College* **TECH SKILL LEVEL: Intermediate**	**Network Simulation Using Cisco VIRL** *Jim Fickett of Sappi, with Greg Constanzo of Cisco* **TECH SKILL LEVEL: Advanced**	**Automated and wireless facility environmental data collection and transmission** **…. with Raspberry Pi** *Raj Saha, Bates College* **TECH SKILL LEVEL: Intermediate**

Educational Workshop Descriptions

I.T. Career Development Track

Automating Yourself to the Unemployment Line:
How I Learned to Stop Worrying and Love DevOps   [9:15 am – York]

This is the tale of how a small group of System Administrators at IDEXX came to embrace DevOps to increase automation, deliver Infrastructure-As-Code solutions to their Agile Software Development Teams, and spread the DevOps culture to every corner of the organization.

Benjamin Hamilton, Senior System Administrator – IDEXX Laboratories

Negotiation Tools and Techniques for I.T. Professionals   [11:00 am – York]

The ability to negotiate – in any industry -- is an important skill, requiring an understanding of power and influence.   Success depends on an awareness of the critical factors and selecting the best approach. Three set of tools will be explained and exercises will be used to demonstrate effective techniques. This session offers information to help you become a more effective negotiator in virtually any situation. George Diorio's educational workshops for tech professionals draw on his three decades of experience directing and managing I.T. systems and technical support operations.

George D'Iorio, Founder – Ascending Thought, LLC

I.T. Evolution Track (NEW!)

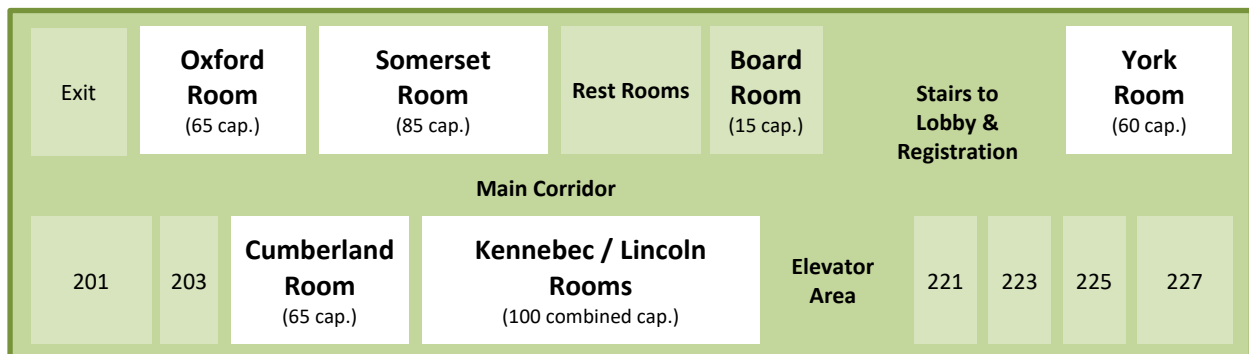### The Lego-ization of Next Gen Tech:
Modularity, democracy, and real world challenges   [9:15 am – Cumberland]

New technologies are evolving to empower the masses: now anyone can leverage "Next Generation" tech to solve real world problems. Much like we don't need to be a plastics engineer to build a Lego Death Star, we no longer need a Ph.D. in Artificial Intelligence to build a chatbot, nor leverage machine learning to solve contemporary problems. This talk will walk through three specific Next Generation technologies and see how you can use them now to solve real challenges. The presenter will discuss the tools available, the level of effort needed to get started, and good practices for securing them against threats.

Rich Casselberry, Risk Technologist – Liberty Mutual Insurance

Holiday Inn – MTUG Workshop Rooms – 2nd Floor

Exit	**Oxford Room** (65 cap.)	**Somerset Room** (85 cap.)	**Rest Rooms**	**Board Room** (15 cap.)	**Stairs to Lobby & Registration**	**York Room** (60 cap.)
		Main Corridor				
201	203 **Cumberland Room** (65 cap.)	**Kennebec / Lincoln Rooms** (100 combined cap.)	**Elevator Area**	221	223	225	227

I.T. Evolution Track (continued)

Take the Work Out of Getting Work Done:
Team Messaging & Collaboration Applications   [11:00 am – Cumberland]

In a message-first world, most conversations start silently. Just as mobile apps such as Snapchat, Facebook Messenger, and Apple iMessage have evolved to deliver a richer messaging experience, enterprise Instant Messaging and Presence (IM&P) applications are evolving as well. Moving beyond simple chat, Team Messaging & Collaboration (TMC) solutions are becoming platforms for individual & team messaging, document collaboration, and project based communication. This workshop will illustrate the differences and value between IM&P and TMC.

Steve Forcum, Systems Engineer –Avaya
Steve Panton, Senior Unified Communication Engineer – Hughes Hubbard & Reed

Utilizing Microsoft Office 365
to Overcome Communication Barriers   [2:00 pm – Cumberland]

In this workshop, Victoria Reed of Systems Engineering will discuss how to utilize Microsoft Office 365's built-in collaboration tools to connect your team, whether they are in one location or spread across the country. Scott Bourgoin, representing Criterium Engineers, will present how his organization utilized Office 365 tools such as Outlook Anywhere and SharePoint to connect their staff across the country. Together, Victoria and Scott will outline the benefits of engaging Office 365 to connect employees anytime and from anywhere.

Scott Bourgoin, former Director of Information Technology at Criterium Engineers
Victoria Reed, Manager of the Project Management Office – Systems Engineering

I.T. Infrastructure Track

High Availability and Network Protocols at Bates College   [9:15 am – Somerset]
TECH SKILL LEVEL: Intermediate

Students want networks to be available all the time. This session will show the protocols and network design considerations in use at Bates College to meet that goal. The focus will be on Layer 1 and 2 standards, protocols, and vendor specific options. Special attention will be paid to the impact of protocol and configuration choices for network availability and maintainability. The same hardware infrastructure can be connected and configured in different ways to achieve higher availability.

Bruce Hall, Network Administrator – Bates College

Cisco ASAP Data Center:
From Vision to Reality at Martin's Point Health Care   [11:00 am – Somerset]
TECH SKILL LEVEL: Intermediate

Come hear first-hand how Martin's Point Health Care used Cisco's ASAP Data Center to achieve new levels of efficiency, speed, security, and reliability in their Data Center operations. The ASAP (Analyze, Simplify, Automate, Protect) Data Center framework is Cisco's blueprint for the agile data center today. By implementing a new server platform based on the Unified Computing System (UCS) and upgrading their networking to Nexus, Martin's Point is able to use a software-defined approach to managing their IT Infrastructure end-to-end. We will also demonstrate UCS

Manager and its ability to abstract the server's entire setup – aligning people, policies, and configuration with application workloads.

Tim Economides, Network Architect, I.T. – Martin's Point Health Care
Wai-Houng Leung, Manager, Systems Engineering – Martin's Point Health Care
Mike Marotta, Data Center Product Specialist – Cisco Systems
Evren Sen, Data Center Consulting Systems Engineer – Cisco Systems

Flexible, Scalable, Affordable Small Space AV Solutions   [2:00 pm – Somerset]

TECH SKILL LEVEL: Basic

Individual users at their desktop can participate in global meetings without getting out of their chair. For solo participation, no extra equipment is needed apart from maybe a headset for privacy. But when a small team needs to do the same, they don't need a full-scale conference room to collaborate. What do they need? They need a simple, fast and scalable solution that can take a single laptop and turn it into a conference room. Learn about the equipment, technologies, and various accessories that are cost effectively being deployed in today's modern offices.

Sue Beckelman, Enterprise Productivity – L.L. Bean
Alex Halliday, AV Installation Manager & Jamie Marsha, Senior AV Sales Engineer – Connectivity Group

SECURITY Track

Security: Maine Today, Tomorrow, and Potential Solutions [9:15 am – Kennebec/Lincoln]

TECH SKILL LEVEL: Intermediate

This workshop will give attendees a perspective of diverse security situations and anticipated threats for the period 2017 to 2019. The presentation will include techniques to reduce risks and losses. Attendees will gain insight into actual risk, understand anticipated new threats over the next few years, learn about cost-effective options to reduce risk and minimize losses, and provide ample opportunity for Q&A. In conjunction with this session, the Maine Cyber Security Cluster will be conducting a CyberSecurity Survey in the elevator area near the workshop during all sessions (9am-3pm).

Frank Appunn, Professor, Thomas College – InfraGard Member Alliance (IMA)
Jockel Carter, Leadership, (ISC)2 Chapter – InfraGard
Edward Sihler, Technical Director, Maine Cyber Security Cluster – InfraGard

Bits and Bytes Bore the Board:
Communicating Security Vulnerabilities to the Enterprise [11:00 am – Kennebec/Lincoln]

TECH SKILL LEVEL: Intermediate

This presentation will give an overview of the thought process and strategies to take when translating technical security vulnerabilities into a language that the business will comprehend. The content will be general and outline overall strategy and philosophy when assessing a vulnerability assessment and management programs. Scenarios that are pertinent for both new shops to security all the way up to mature shops will be discussed. What and when to measure security vulnerabilities is an important component of the discussion, especially when translating it to the executive level.

Sam Gaudet, Strategist – Tenable Network Security and
Chad Tracy, Director of Information Security – Colby College

SECURITY Track (continued)

Cybersecurity on the Front Lines:
What you need to know and how you need to plan   [2:00 pm – Kennebec/Lincoln]

TECH SKILL LEVEL: Intermediate

When it comes to cybersecurity, the threat landscape is changing every day. With ransomware attacks, identity theft on the rise, changes in social engineering tactics, and concerns over the security of the Internet of Things, there's a lot to take in. Join Kaspersky Lab & Machias Savings Bank to learn about trends from the past year and predictions for the future of cybersecurity. This talk will give you a sharper focus on how to protect your business and how to plan for your future IT security needs.

Jeremy Clough, Information Security Officer – Machias Savings Bank
Mark Villinski, Director- Field Marketing – Kaspersky Lab

2017 – The Year of Digital Transformation and Disruption:
Securing against emerging threats   [2:00 pm – York]

TECH SKILL LEVEL: Basic

What is Digital Transformation and how is it impacting IT organizations? What are the key trends that customers are experiencing? We'll look back on the predictions, discuss what came true and what didn't, and look ahead to 2017 cyber threat predictions. Attendees will gain a better understanding of the cyber threat landscape and how security solutions can protect your infrastructure.

Michael Burgess, Systems Engineering Manager – Fortinet
Chris Dumais, Information Technology Director – City of South Portland

Tech Sandbox Track

Implementing a Clonezilla DRBL Server
as a Deployment Solution for Small Businesses   [9:15 am – Oxford]

TECH SKILL LEVEL: Intermediate

Is your small business in need of a deployment solution? Attend this workshop to learn how to implement a simple PXE boot deployment scenario using Clonezilla's free DRBL (direct remote boot Linux) server for creating and deploying OS images.

Howard Burpee, Professor, Computer & Information Sciences – Southern Maine Community College

Network Simulation using Cisco VIRL   [11:15am – Oxford]

TECH SKILL LEVEL: Advanced

This workshop will demonstrate connectivity of 9 routers to learn OSPF, EIGRP, RIP V2, ISIS and BGP with IPv4 and IPv6 addressing. Discussion will feature a complex design with the ability to try scenarios without breaking the production network. The speakers will create a topology from scratch (not pre-developed) using audience participation.

James T Fickett, Sr. Network Analyst – Sappi North America
with Greg Costanzo, System Engineer – Cisco

Tech Sandbox Track (continued)

Automated and wireless facility environmental data collection and transmission with Raspberry Pi   [2:15pm – Oxford]

TECH SKILL LEVEL: Intermediate

The workshop will demo a Raspberry Pi-based device that collects, processes, and transmits environmental data over wifi. Every step in building the device will be outlined, including the collection of data using freely available tools. Applications include collecting sensor data (temperature, humidity) and pushing the data out to databases or a Google Spreadsheet for analysis. The data can be used to monitor building temperatures and anomalies, and optimize HVAC systems by building accurate thermal envelopes.

Raj Saha, Lecturer - Bates College

Thank you to all our Workshop Presenters!

MTUG is celebrating!

Check out "Techxibit"
A collection of historic
tech & telecom memories!

On display between the banquet room & registration.

- VT220 Terminal
- A WORKING Mac Classic
- all your favorite Blackberries!
- 1922 Western Electric telephone
- Bowdoin's first Ethernet

- PDP10 CPU Control Panel
- Apple Newton MessagePad 2200
- 60 years of storage change
- 1942 Portland Telephone Book
- *and much more!*

Plus a video celebrating MTUG's 30 years of peer-to-peer tech events!

Many thanks to the contributors to this fantastic collection:
~ Mark Nelsen & David Francis of Bowdoin College
~ Ron Brown, MTUG Board Member & IEEE Maine Chapter
~ Greg Tait of ON Semiconductor
~ Techxibit coordinators, MTUG board members Abbie Brown & Linda Ollen
~ Eric Nason and New England Communications

The Maine Technology Users Group – History and General Information

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 1400 individuals, made up of about 42% end-users (including IT professionals and managers in non-IT service/product organizations), 53% vendors (including regulated utilities and internet service providers), 3% 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 2017 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, 2016 MTUG Portland Peers & Beers:
Jim Troutman, *consultant: "Open Source Network Monitoring."* **Cosponsored by Optiv.**

September 14, 2016 MTUG Bangor Peers & Beers:
Garret Peirce, *UMaine System: "A Networkmaine Wi-Fi flyby; an overview of UMS and MLTI 802.11 networks."*
Cosponsored by FairPoint Communications.

October 5, 2016 MTUG Webinar:
Chris Dumais, *City of South Portland,* and **Rich Casselberry**, *I.T. consultant*: *"Security Awareness in the Public Sphere."*

October 26, 2016 MTUG Webinar:
Joe Johnston & Daniel Sheldon, *ON Semiconductor;* and **Daniel Sheldon**, *Rolta Advizex: "Enterprise Security Awareness."*

November 16, 2016 MTUG Webinar:
Jeremy Payne, *Gorham Savings Bank: "VDI at Gorham Savings Bank, Three Years Later: Citrix Xendesktop"*

December 9, 2016 MTUG Webinar:
Lisa Leahy & David Maxwell, *ConnectME Authority;* and **Sarah Davis & Jeff Nevins**, *FairPoint: "Broadband in Maine – A Panel with the ConnectME Authority & FairPoint Communications."*

January 18, 2017 MTUG Webinar:
Steve Blanc, *Bowdoin College,* and **Lane Greer,** *Accenture: "Recent Trends in Cloud Computing."*

February 8, 2017 MTUG Webinar:
Dawnna Pease & Julio Barreto, *State of Maine OIT: "A Look at Office 365 with the State of Maine."*

March 15, 2017 MTUG Lewiston Peers & Beers:
MTUG's first "UGMixer" with presentations by 5 Maine-based tech user and interest groups: **InfraGard, ISC(2) Maine Chapter, Bangor InfoSec, Agile Maine,** and **Project>Login.** *Cosponsored by Rolta Advizex.*

April 12, 2017 MTUG Webinar:
Jim Troutman, *IT consultant,* and **Jeff Letourneau**, *Networkmaine: "NNENIX - An Internet Exchange for Maine and Northern New England."*

FOR SUPPORTING US AS BOARD MEMBERS:

Al Bakutis, *ON Semiconductor*
President

Kevin Heatley, *Gorham Savings Bank*
Treasurer

Christopher Falk, *MPX*
Vice President

Tonia Ennis, *One Bridge Consulting*
Secretary

Ron Brown, *Ronald O. Brown Consulting*
Job Board and Scholarship Liaison

Michael Begin, *U.S. Cellular*

Joe Bourgault, *Systems Engineering*

Austin Brower, *FairPoint Communications*

Abbie Brown, *Bowdoin College*

Brian Foote, *Maine Veterans Homes*

Linda Ollen, *New England Communications*

John Foley, *Maine Medical Center*

Mark Hopper, *Stonewall Kitchen*

Eugene Slobodzian, *Winxnet*

Uli Stewart, *Vantage Point Recruiting*

Kate Carpenter, *MTUG Executive Director*

RECENTLY RETIRED BOARD

Scott Drummey, *formerly of GWI, now of Fibernext*

Terry DelMonte, *WEX*

HELPING HANDS

Dick Curry, *retired, former MTUG Treasurer*
Caroline Dennis, *Maine CyberSecurity Cluster*
Marita Fairfield, *PowerUp Business Solutions*
Barbara Kenney, *MTUG Tech Assistant*
Cathryn Majorossy, *MTUG Event Assistant*
Curt Sweet, *State of Maine – 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!
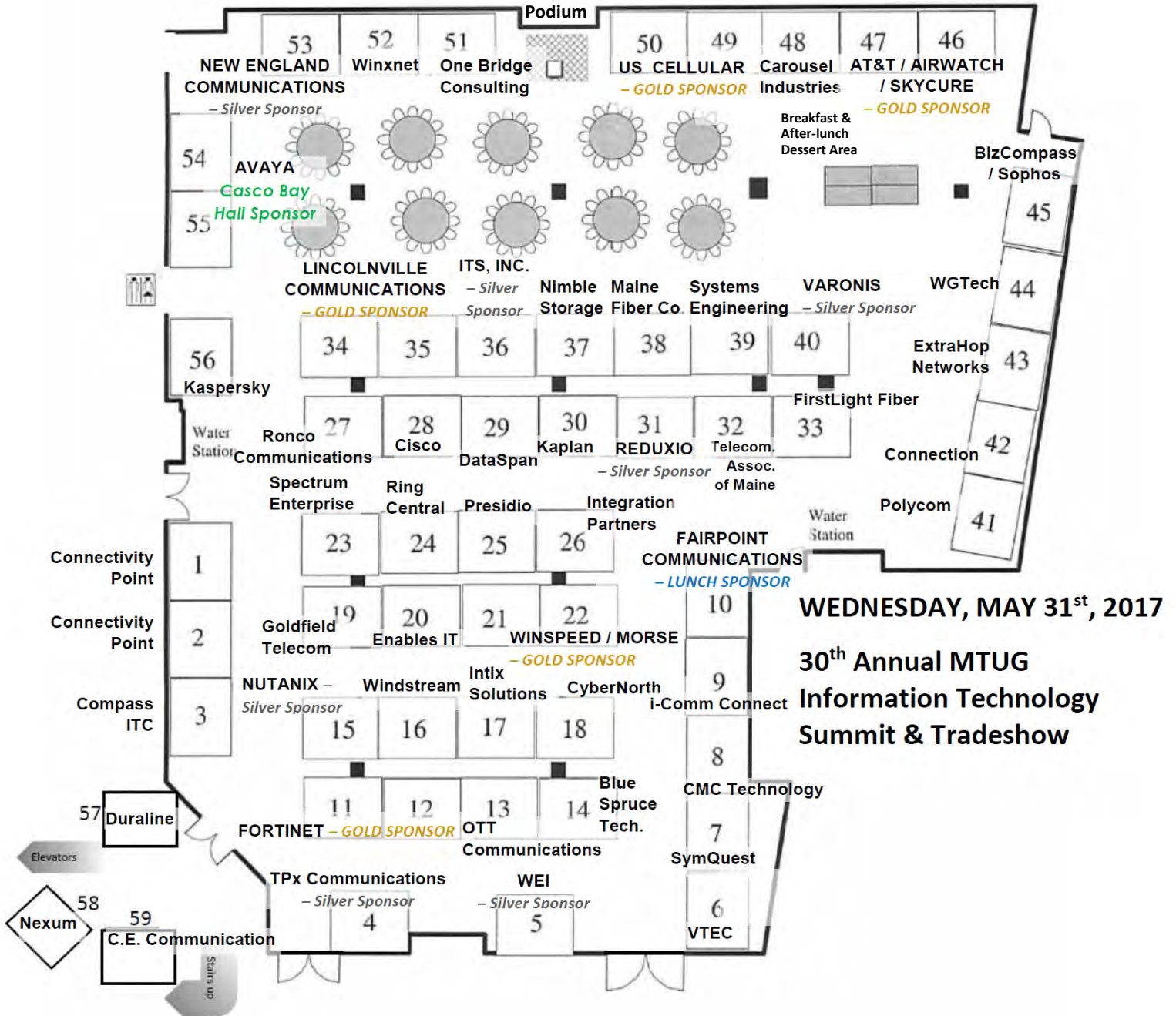<u>*Visit all our exhibitors and have them checkmark their spot on the IT Summit "Grand Prize Passport"*</u>
<u>*to enter the MTUG Grand Prize Drawing (a DJI Phantom 3 Quadcopter Aircraft with Camera!).*</u>
<u>*AND many exhibitors have their own door prize offerings too!*</u>

Company	Booth #	Company	Booth #
AT&T / AirWatch / Skycure – *GOLD SPONSOR*	46 & 47	**LCI - Lincolnville Communications** – *GOLD SPONSOR*	34 & 35
Avaya Inc. – *CASCO BAY HALL SPONSOR*	54 & 55	**Maine Fiber Company**	38
BizCompass / Sophos	45	**New England Communications** – *Silver Sponsor*	53
Blue Spruce Technologies	14	**Nexum**	58 (entrance)
Carousel Industries	48	**Nimble Storage**	37
BizCompass	18	**Nutanix** – *Silver Sponsor*	15
CE Communication	59	**One Bridge Consulting**	51
Cisco Systems	28	**OTT Communications**	13
CMC Technology Group	8	**Polycom**	41
Compass ITC	3	**Presidio**	25
Connection	42	**Reduxio** – *Silver Sponsor*	31
Connectivity Point	1 & 2	**RingCentral**	24
CyberNorth	18	**Ronco Communications**	27
DataSpan	29	**Spectrum Enterprise**	23
Duraline	57	**SymQuest**	7
Enables IT	20	**Systems Engineering**	39
ExraHop Networks	43	**Telecommunications Association of Maine**	32
FairPoint Communications – *LUNCH SPONSOR*	10	**TPx Communications** – *Silver Sponsor*	4
FirstLight Fiber	33	**U.S. Cellular** – *GOLD SPONSOR*	49 & 50
Fortinet – *GOLD SPONSOR*	11 & 12	**Varonis Systems** – *Silver Sponsor*	40
Goldfield Telecom	19	**VTEC**	6
i-Comm Connect	9	**WEI** – *Silver Sponsor*	5
Integration Partners	26	**WGTech**	44
intlx Solutions	17	**Windstream**	16
ITS, Inc. – *Silver Sponsor*	36	**Winspeed Communications / Morse Technologies** – *GOLD SPONSOR*	21 & 22
Kaplan	30	**Winxnet**	52
Kaspersky Lab	56		

Casco Bay Hall
Exhibit Floor Booth Map
Casco Bay Sponsor: AVAYA

Podium

| 53 | 52 | 51 | | 50 | 49 | 48 | 47 | 46 |

NEW ENGLAND COMMUNICATIONS *– Silver Sponsor*
Winxnet
One Bridge Consulting
US CELLULAR *– GOLD SPONSOR*
Carousel Industries
AT&T / AIRWATCH / SKYCURE *– GOLD SPONSOR*

54
AVAYA
Casco Bay Hall Sponsor

55

Breakfast & After-lunch Dessert Area

BizCompass / Sophos

| 45 |

LINCOLNVILLE COMMUNICATIONS *– GOLD SPONSOR*
ITS, INC. *– Silver Sponsor*
Nimble Storage
Maine Fiber Co.
Systems Engineering
VARONIS *– Silver Sponsor*
WGTech

| 44 |

| 34 | 35 | 36 | 37 | 38 | 39 | 40 |

ExtraHop Networks

| 43 |

56
Kaspersky

FirstLight Fiber

Water Station

Ronco Communications
| 27 | 28 **Cisco** | 29 **DataSpan** | 30 **Kaplan** | 31 **REDUXIO** *– Silver Sponsor* | 32 **Telecom. Assoc. of Maine** | 33 |

Connection

| 42 |

Spectrum Enterprise
Ring Central
Presidio
Integration Partners

Polycom

| 41 |

Connectivity Point
| 1 |

| 23 | 24 | 25 | 26 |

FAIRPOINT COMMUNICATIONS *– LUNCH SPONSOR*

Water Station

Connectivity Point
| 2 |

Goldfield Telecom
| 19 | 20 **Enables IT** | 21 | 22 |

WINSPEED / MORSE *– GOLD SPONSOR*

| 10 |

WEDNESDAY, MAY 31st, 2017

Compass ITC
| 3 |

NUTANIX – *Silver Sponsor*
Windstream
intlx Solutions
CyberNorth

| 9 |

i-Comm Connect

30th Annual MTUG Information Technology Summit & Tradeshow

| 15 | 16 | 17 | 18 |

| 8 |

CMC Technology

57 **Duraline**

| 11 | 12 | 13 | 14 |

Blue Spruce Tech.

| 7 |

SymQuest

Elevators

FORTINET *– GOLD SPONSOR*
OTT Communications

58 **Nexum**

59 **C.E. Communication**

TPx Communications *– Silver Sponsor*
| 4 |

WEI *– Silver Sponsor*
| 5 |

| 6 |

VTEC

Stairs up

Casco Bay Hall Foyer/Entrance
More Booths,
Stairs/Elevators to
Registration & Workshops
& the Summit Keynote and Lunch.

Summit Lunch Sponsored by: FairPoint Communications

30th Annual Information Technology Summit & Tradeshow

A Program of the Maine Technology Users Group

Thursday, May 31, 2017, 7:30 am – 4:00 pm

Special 30th Anniversary Reception afterwards 4:00-5:30 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 5/30/17)..................................... $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!
- 30th Anniversary Reception in the afternoon

What is MTUG?

The Maine Technology Users Group advances the understanding of information technology throughout Maine, with a focus on business applications and management, communications hardware, security, training and regulatory affairs. The annual MTUG IT Summit (formerly Conference) 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). Stay in right lane, and take 1st right onto State St/Route 77 South through the park. Follow State Street for about 1 mile, past 3 lights (past Park, Cumberland, Congress Aves, where it curves leftward). At the 4th light, take a left onto Spring Street. Follow Spring Street past Park and High Streets. The Holiday Inn by the Bay is after High Street, on the right.
Parking: After the Holiday Inn on the right is the main parking garage. Parking there is at the special IT Summit rate of $5 until 6pm (later this year due to the 30th Anniversary Reception). For more parking info, go to the end of the Summit webpage at http://www.mtug.org/summit.

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.