EVENT PROGRAM

September 16, 2021
8:00 a.m. – 3:00 p.m.
https://mcaww.vfairs.com/en/

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SCHEDULE

Concurrent Tech Flashes are 20-Minute Sessions

8:00 a.m.	Exhibits Open
9:00 – 9:50	**Welcome** and **Opening Keynote** by *Nikolas Badminton, Futurist*
9:55 – 10:15	Concurrent Tech Flash: **Internet of Things (IoT)** - *Optio3*
9:55 – 10:15	Concurrent Tech Flash: **Revit® Innovations** – *Victaulic*
10:20 – 10:40	Concurrent Tech Flash: **Using Innovative Technology to Help Increase Safety & Productivity in Overhead Applications** – *Hilti*
10:20 – 10:40	Concurrent Tech Flash: **Spatial Collaboration** - *Altoura*
10:45 – 11:30	**Economics Strikes Back** – *WWU Center for Economic & Business Research*
11:30 – 1:00 p.m.	**BREAK** (Exhibits are open)
1:00 – 1:30	**Wearable Technology** – *MCAWW Technology Advisory Committee*
1:00 – 1:30	**The Impact of 5G** – *T-Mobile*
1:35 – 1:55	Concurrent Tech Flash: **Modern Workplace with Office 365** – *Power Apps 911*
1:35 – 1:55	Concurrent Tech Flash: **Leveraging an Asset Management System to Benefit Your Business** – *Milwaukee Tool*
2:00 – 3:00	**Cybersecurity: What You Wish You Had Known Before it Was Too late!** *HUB International, McKinstry Co., Spear Tip Cyber Counterintelligence and featuring Ed Kommers, MCAWW as "Fast Eddy"*

WELCOME AND FAQ's

How do I log in on the day of the event?

Your login information is the email address and password you provided during the registration process. Once you log in, you will be taken to the virtual lobby from which you can access the Auditorium to attend presentations or visit the Exhibit Hall.

Do I need to download or install any software to be able to attend this event?

No. You do not need to download or install any software to participate in the GetTech Showcase. You only need to have access to the Internet.

When and how can I access the Exhibits?

The Exhibit Hall will be open from 8:00 a.m. – 2:00 p.m. You will have the opportunity to visit booths and chat with exhibitors or set up a mutually convenient meeting time. You can access the Exhibits by clicking on the "Exhibit Hall" tab.

Will a recording of the event be available?

Recordings of certain presentations will be available to GetTech attendees for 30 days.

Chance to Win Prizes:

There will be opportunities to win prizes by visiting different areas of the website and the Exhibit Hall. There will also be a chance to win a prize valued at $250, sponsored by Mechanical Sales, for completing a survey after the event. Be sure to check out the Leaderboard on the day of the event!

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SESSIONS

9:00 – 9:50 a.m.	Opening Keynote: **MECHANICAL FUTURES:** Looking to 2030 and Beyond
Nikolas Badminton Nikolas is the Chief Futurist and Think Tank leader at Futurist.com and has advised the world's most impactful companies, including *NASA, Google, Microsoft, United Nations, United Way, Bank of Canada, Government of Canada, UK Home Office, Government of Cayman Islands, American Express, AT&T, Thales, Rolls Royce, Heineken, Procter & Gamble, IDEO*, and many more. His research and thinking has been featured by *CTV, Global News, BBC, VICE, The Atlantic, Fast Company, Techcrunch, Business Insider, Huffington Post, Forbes, Sputnik and Venturebeat*. 	The way we see our world and shape the future of work has changed forever. The next decade will see incredible shifts for us all with existing and new companies aiming to address the biggest challenges in the world - climate change and renewable energy, logistics, smart cities, sustainable infrastructure, construction, thriving communities, and more. Nikolas will show you how to shift your mindset from what is to what if... and see the big ideas, innovative thinking and technologies that will change the work of mechanical contractors. We'll look at our futures with an optimistic view that will empower members of MCAWW with insights on how the world is changing and how they can prepare for change.
9:55 – 10:15 a.m.	**Concurrent Tech Flash:** Internet of Things (IoT)
Joe Barrett, *Optio3* Joe Barrett is the Vice President of Sales at Optio3, headquartered in Seattle, WA. Working in over 25M sq. ft. of class A office, hospital, university, K-12 schools, and municipal buildings with owners, contractors, and facilities management firms as customers, Joe and Optio3 have a vendor-agnostic view of the challenges involved in device discovery, data collection, equipment classification, FDD, alerting and notification, automated reporting, ML/AI, and workflow automation. 	Internet of Things (IoT) is a buzzword that encompasses a suite of technologies that are almost too much to digest. Come learn what IoT means, what you can do with it, and how it's changing the way we talk to buildings. From smart switches and valves, to building automation and smart maintenance schedules, IoT opens a whole new way to think about efficiency.

9:55 – 10:15 a.m.	**Concurrent Tech Flash:** Revit® Innovations
Ralph Schoch, *Victaulic* Ralph Schoch is the Software, Technology, and Internal Support Manager in the Virtual Design and Construction (VDC) department at Victaulic. Ralph develops Revit families and add-in applications that allow engineers and contractors to design piping systems within Revit using Victaulic products. 	Focusing on Victaulic Tools for Revit®, this presentation will illustrate the entire workflow from content to modeling, to checking to spooling, to fab package creation. The session will particularly benefit anyone who is considering switching to Revit® as well as those companies who are currently using the software.
10:20 – 10:40 a.m.	**Concurrent Tech Flash:** Using Innovative Technology to Help increase Safety & Productivity in Overhead Applications
Aidan Maguire, *Hilti* Aidan Maguire is the Business Unit Manager for Hilti North America's Measuring, Layout and Robotics technologies. He holds Bachelors and Masters degrees in Manufacturing and Mechanical Engineering from Trinity College Dublin, Ireland. Simona Kalova, *Hilti* Simona Kalova is the Senior Product Manager responsible for Human Augmentation and Dust Control Solutions for Hilti North America. She holds Bachelors and Masters degree in Management and Business Administration from University of Economics in Prague, Czech Republic. 	Hilti will demonstrate two innovative products focused on helping you get overhead applications done faster and safer. The Hilti Jaibot semi automated robotic drilling machine takes over installation execution, while allowing you to track project progress and status through data. Using digital plans, the Jaibot marks and drills holes, relieving workers from the strenuous task of overhead drilling and allowing them to focus on operation of the construction robot. The Hilti wearable Exoskeleton is a human augmentation device that will help increase safety during overhead applications by reducing strain and fatigue for both experienced and novice users.

10:20- 10:40 a.m.	**Concurrent Tech Flash: Spatial Collaboration**
Paul Corriveau, *Altoura* Paul Corriveau is the VP of Marketing at Altoura and leads all facets of marketing, including demand generation, brand, customer marketing, partner marketing, and corporate communications. Paul has led growth initiatives at emerging software and SaaS startups as well as established enterprise leaders. He has a 20+ year track record of launching and rapidly scaling new lines of business and building enterprise partner ecosystems that generate competitive differentiation. Before joining Altoura, Paul worked for 11 years at Microsoft where he led several market-defining global product launches, managed the $40B commercial brands portfolio, and built the partner program and channel strategy for the fast-growing Mixed Reality business.	Increase productivity and lower costs using spatial collaboration. Spatial Collaboration platforms can be used to gain a competitive first-mover's advantage and to help your organization adjust to the new reality of work. Users connect and interact with each other, their surroundings, and their equipment from anywhere at any time using any device. Spatial collaboration merges the digital world with the physical world so users can complete tasks such as Virtual training, simulated task guidance, IoT data visualization, product sales presentations, collaborative design and prototyping, and 3D virtual meetings.
10:45 – 11:30 a.m.	**General Session: Economics Strikes Back**
 James McCafferty (continued on next page) Hart Hodges	The COVID experience seems to be in the rearview mirror for most of America, but the hangover and lingering effects will be with us for years. The new "normal" is beginning to unfold. Changes in the labor market have been and will continue to be significant factors on the path forward. In this discussion we will focus on changes in the labor market that will impact the thinking about how and where businesses conduct their daily work. Will work from home change commercial space use? Will migration patterns change where businesses locate? How will space utilization change as we think about health and safety concerns?

10:45 – 11:30 a.m.	**General Session: Economics Strikes Back**
Hart Hodges and James McCafferty co-direct the Center for Economic and Business Research at Western Washington University. They publish multiple economic forecasts, including the Puget Sound Economic Forecaster.	Sprinkled on top of all of this are the general economic trends – inflation, wage increases and more. All of which are creating a new landscape to build the next page of our economic story.
1:00 – 1:30 p.m.	**Concurrent Session: Wearable Technology – presented by the MCAWW Technology Advisory Committee**
Seth LaRiviere (Chair), *MacDonald-Miller* Tyler Wisenburg (Vice Chair), *Key Mechanical* Doug Moore, *McKinstry*	The MCAWW Technology Advisory Committee presents its in-depth research on wearable technology, including: current wearable technology, future wearable technology, and the potential effect of wearable technology on safety and productivity.

1:00 – 1:30 p.m.	**Concurrent Session: The Impact of 5G – presented by T-Mobile**
Ulf Ewaldsson, *T-Mobile* Ulf joined T-Mobile in 2019 to lead T-Mobile's 5G deployment and the transformation of networks into the next generation. Ulf manages a nationwide team that builds and operates the T-Mobile Network. In the mobile communications industry Ulf has been instrumental in helping to create some of the industry's most innovative products such as multi-standard RBS, antenna-integrated radio units, femto base stations and NbIoT. He has launched many global concepts like Service Provider SDN and "50 bn Connected Devices by 2020," that have reached global recognition. Ulf has also been credited as a founder of 5G mobile technology. In 2014, Global Telecoms Business magazine named Ulf among the top 50 most powerful people in the global telecom business.	There are a lot of promises being made regarding the coming 5G network: some will provide small improvements in your day-to-day operations, while others will affect the way we build and operate buildings. Industry veteran Ulf Ewaldsson, T-Mobile Chief Network Officer, will break down how this technology is more than a simple update of existing services. Join us for a down-to-earth, 20-minute explanation of the new technology followed by a 10 minute Q&A interview of Ulf by your MCAWW Technology Advisory Committee Chair Seth LaRiviere, who will ask questions specifically related to how our built environment will benefit from 5G deployment.
1:35 – 1:55 p.m.	**Concurrent Tech Flash: Modern Workplace with Office 365**
Quentin Hilman, *PowerApps 911* Quentin Hilman is a Microsoft 365 Specialist who has over 20 years of IT experience. He has done everything from building physical computers to configuring enterprise cloud solutions. Quentin spent the last five years championing and leading a large building materials company's digital transformation and modern workplace initiatives which included Microsoft Teams. His efforts resulted in a Microsoft Case Study on the company's adoption of O365, PowerApps, and Power Automate.	Learn how the Modern Workplace is about how people can use digital technology to collaborate and make better decisions. Come get familiar with Office 365, Teams, SharePoint, Planner and more. You'll understand how MS Teams can link activity before a meeting, facilitate the meeting, and track decisions and actions moving forward.

1:35 – 1:55 p.m.	**Concurrent Tech Flash: Leveraging an Asset Management System to Benefit Your Business**
Josh Marchok, *Milwaukee Tool* As part of the Product Management team at Milwaukee Tool® since 2017, Josh Marchok has been dedicated to developing digital solutions that help contractors be more effective and efficient in their asset management practice, and helped ONE-KEY™ build the largest smart tool ecosystem in the construction industry. 	Since Milwaukee Tool® began in 1924, it has been the leader in both durability and performance by providing the best in professional, heavy-duty tools and accessories. In 2015, Milwaukee Tool® took the next leap in innovation by unlocking the digital jobsite with its introduction of ONE-KEY™, a comprehensive asset management and smart tool platform designed to improve productivity by helping users customize, track and manage their inventory. In this session, we invite you to learn more about the benefits of using a cloud-based asset management platform built to increase visibility and reduce downtime across your operations.
2:00 – 3:00 p.m.	**General Session: Cybersecurity: What You Wish You Had Known Before it Was Too Late!**
Allen Range, *McKinstry Co.* As Vice President and Chief Information Officer, Allen Range oversees McKinstry's technology infrastructure, software engineering, and cybersecurity efforts. Allen has over 30 years' experience in leading teams for diverse organizations like Vulcan and Institute for Systems Biology. Ray Monteith, *HUB International* Ray Monteith is a Senior Vice President with HUB International Limited's Risk Services Division. He leads the Organizational Resilience practice for the Division and is the Risk Control Services Leader for the Canadian Region. (continued on next page)	Cyber security issues are becoming more and more prolific. It's time to make sure your firm is protected to the extent possible. Find out how one of our member firms managed a breach, and what they learned from it.

2:00 – 3:00 p.m.	**General Session: Cybersecurity: What You Wish You Had Known Before it Was Too Late!**
Timothy Reboulet Timothy Reboulet has over 20 years of international and domestic law enforcement experience. As a Senior Special Agent with the United States Secret Service, Tim has served on the Presidential Details of President George W. Bush and President Barack Obama and more recently focused on federal cyber security risk detection and mitigation. Tim's cyber background includes leading the USSS Electronic Crimes Task Force inclusive of government and corporate participants and assignments to Europol (European Cyber Crime Center —EC3) and Critical Systems Protection division. Tim will take over SpearTip's Advisory Services and assist organizations with both pre and post breach scenarios. and featuring Ed Kommers, MCAWW as "Fast Eddy" 	Cyber security issues are becoming more and more prolific. It's time to make sure your firm is protected to the extent possible. Find out how one of our member firms managed a breach, and what they learned from it.

EXHIBITORS

EXHIBITS (open 8:00 a.m. – 2:00 p.m.)

Altoura is the world's leading immersive training platform for the new reality of work. With Altoura, our customers build holographic environments—virtual replicas of the physical environments and equipment that their workers use—and make those environments interactive and collaborative. Workers can then train, collaborate, and simulate tasks in a holographic environment, dramatically improving their time to productivity and reducing errors once they are on the front line. And they can do all of this in Altoura from anywhere at any time using any device.

BuildingPoint Pacific provides contractors, owners and architects with advanced technology solutions. Our experienced team of professionals offers technology solutions across the entire Design-Build-Operate (DBO) lifecycle.

We provide varying levels of service depending on your specific needs. Our services include: on-site laser scanning, Virtual Design & Construction (VDC), scheduling, and training. We understand how to solve a variety of challenges and offer the tools, software solutions, and services needed for building construction.

BuildingPoint Pacific is part of a new global network that specializes in supporting the Trimble Buildings portfolio of software and hardware solutions.

We will showcase the BuildOps software product with videos and scheduled demos. We will have a team member attending to the live chat. We will also give away a free software scoresheet which acts as a Buyer's Guide for evaluating software solutions. They'll be able to see how BuildOps stacks up against its competitors.

EXHIBITORS

DADO is the fastest document tool in construction. Our web and iOS mobile apps allow you to quickly upload documents from your favorite platforms and find exactly what you need, exactly when you need it using our advanced construction-intelligent search algorithm. DADO speaks the language of construction and gives your whole team access to all your project docs. Instantly.

Datum Tech Solutions will showcase instruments used in digitally modeling as-built MEP systems, as well as the instruments used in laying out MEP systems, prior to install.

GTP Services (STRATUS) - GTP will demonstrate how contractors can utilize STRATUS (our Construction Procurement, Manufacturing and Logistics Tool) & Field Orderz (our new state of the art sketching tool) to connect with Suppliers via GTP-Connect (the first tool to connect Suppliers and Contractors based on Modeled information)

GTP Services (Tigerstop) - Tigerstop is a single-access CNC machine that enables you to cut your copper, cast iron, plastic, and strut materials. With STRATUS and Tigerstop, you experience a new level of efficiency as well a huge reduction in waste.

Halti will showcase their Jaibot semi-automated Drilling Robot and wearable exoskeleton.

Hurley Engineering will be exhibiting the Grundfos Magna3 ECM Circulating pump and its capabilities to be used in multiple platforms such as domestic water, heating, and distributed pumping. We will also be demonstrating the Grundfos pump platform that exists in all Grundfos MLE platforms that allow them to be integrated into the buildings domestic/hydronic systems and the building control strategy.

EXHIBITORS

Milwaukee Tool will be exhibiting their ONE-KEY™ system, which is accessible online or through the app store. ONE-KEY™ is a tracking system, inventory manager, and a tool customizer all in one.

Optio 3 will demonstrate their cloud platform in live operations in anonymous buildings and show their edge gateway hardware device used to extract equipment data from buildings.

This exhibit booth will feature the consulting services that PowerApps911 offers, and different social media platforms to connect with them on.

SubHQ will exhibit live demonstrations of their product to booth visitors, downloadable product overview brochures, and video testimonials.

Topcon Solutions will exhibit a comprehensive set of architecture, engineering and construction hardware and software solutions that allow for greater efficiency, communication and time-savings between the office and the field.

Victaulic will have its Revit® tool bar on display. This is a Revit® application that allows the user to fabricate piping spools on the Revit with increased speed and dimensional accuracy.

XOi is a mobile app that uses photo and video to help technicians communicate more effectively with the office and the end customer, enabling contractors to do more jobs at higher quality and provide a tangible market differentiator for their businesses.