Workshop starts at 8:00AM tomorrow, 11/5.
Please proceed directly to Reinberger Auditorium for onsite registration.

Presented by:

IEEE SA
STANDARDS ASSOCIATION

Connecting the Mobilized Medical Device Ecosystem

5 November 2019 Cleveland, OH

With the influx of breakthrough technologies in the form of medical IoTs/Wearables, 5G, distributed ledger technologies (DLTs) and other critical network platforms, the reality of a truly connected yet mobile medical device system can be realized. The workshop features case studies, technology developments, and latest research on what is needed to realize the reality of a connected medical device system.

← Return to WAMIII Overview

Date:
Tuesday, 5 November 2019

Time:
8:00 - 14:15

Venue:
Great Lakes Science Center
601 Erieside Avenue
Cleveland, OH 44114

Register →

Looking Ahead

The **IEEE-SA Global Wireless Platform Development Lab (PDL)** will officially launch in 2020 by connecting six wireless test beds in Europe, North America, and India who are each addressing the issues of connecting one area of the hospital system (ie, emergency room, etc). The IEEE-SA PDL will become a virtual testing, training and validation lab to establish global technical and data standards for medical IoTs/wearables to ensure a secure, connected and uninterrupted PPAN (Personal Patient Area Network) experience and continue to support the future work of technologists and clinicians.

Who Should Attend?

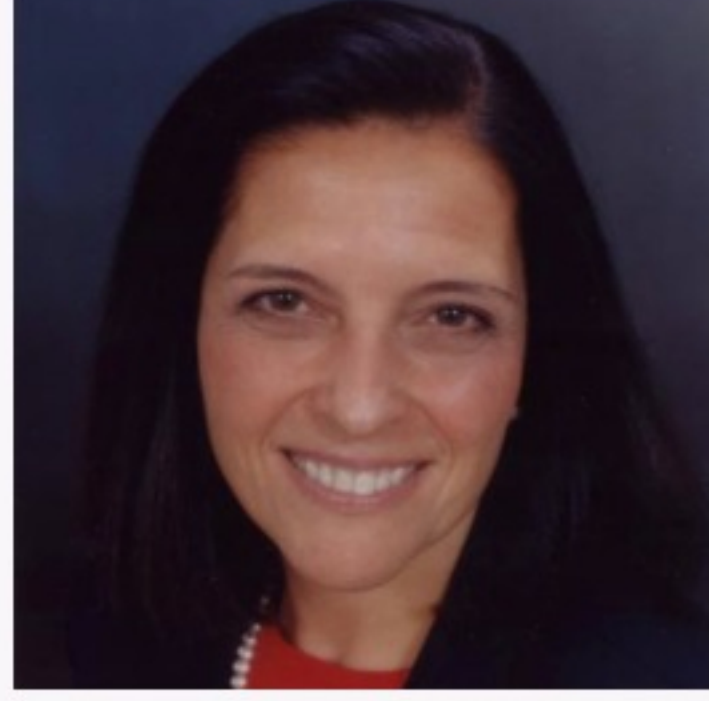YOU, if you are in any of the following areas:

- Clinical Trials Design & Operations
- Clinical/Medical Professional
- Health Insurance Payment
- Health Wearable Start-Up
- Medical Software/IoT design or engineering
- Micro-Electro-Mechanical Systems (MEMS) product design or engineering
- Sensor Development
- Communications Network Engineering
- Blockchain/DLT Technologies: Blockchain/DLTs
- Government/Regulatory
- Research: Academia or Industry
- Other: Enthusiast not mentioned in this list

Agenda

This program continues to be in development speaker additions and potential session title and time changes. Visit the page regularly for agenda updates.
Each session will feature up to 10 mins of audience Q&A – included in the total session time.

Time	Session Name
8:00 AM – 8:30 AM	Registration Check-in and Breakfast
8:30 AM – 8:55 AM	**Official Opening Remarks** Understanding The IEEE-SA Global Wireless Platform Development Bed **Speaker:** Scott Vance Senior Staff Engineer, Wireless Research Center (WRC) Member of IEEE Connectivity Harmonization of the Digital Citizen Industry Connections Program
8:55 AM – 9:25 AM	**Closing the Disconnect: Devices, Patients and Research** **Speaker:** Maria Palombini, Director of Communities and Opportunities, Life Sciences, IEEE SA
9:25 AM – 10:05 AM	**Connecting Patients, Devices and Sites: Challenges and Opportunities with Multi-Site, Multimodal Data Using Telemedicine** **Speaker:** John Squeo Blockchain Lead – Health and Life Sciences, North America Accenture Strategy
10:05 AM – 10:45 AM	**Decentralizing the Healthcare EcoSystem with Blockchain** **Speaker:** Dr. Shane McNamee, CMIO, Provider Segment, Health Group, Perpecta
10:45 AM – 11:25 AM	**Technical Standard Review:** **Clinical (IoT) Data and Device Interoperability with TIPPSS - Trust, Identity, Privacy, Protection, Safety, Security** **Speaker:** Florence DiStefano Hudson IEEE P2733™ Standards Working Group Chair
11:25 AM – 12:05 PM	**Ensuring Security at the Source: Protecting the Device Before the Transmission of Data** Reviewing the standard architecture of medical devices, we will step through how security can be implemented in a healthcare environment. In the existing market, hospitals are often burdened with monitoring device lifecycle, but we will review why proactive security that begins with the design of a device will change how healthcare cybersecurity works. **Speaker:** Mike Kijewski CEO, MedCrypt
12:05 PM – 1:00 PM	NETWORKING LUNCH
1:00 PM – 2:00 PM	**Open Mic Whiteboard Session** Attendees will have the opportunity to suggest 2 to 3 ideas on solutions and challenges that require immediate attention in realizing a connected device system. Final outcomes will result in an outcomes report shared with the IEEE Standards Association community.
2:00 PM – 2:30 PM	Review of Open Mic Session Suggestions and Closing Remarks

Speakers: Subject Matter Experts

Florence Hudson

Florence Hudson is Founder & CEO of FDHint, LLC, consulting in advanced technologies, diversity and inclusion. Former IBM Vice President and Chief Technology Officer, internet2 Senior Vice President and Chief Innovation Officer, and aerospace engineer at Grumman and NASA, her expertise includes technical and business leadership, strategy, marketing, artificial intelligence, big data and analytics, blockchain, connected healthcare, cybersecurity, Internet of Things, and Smart Cities. She is Special Advisor for Trusted CI, the NSF Cybersecurity Center of Excellence at Indiana University, leading the Cybersecurity Research Transition to Practice (TTP) program. She is also Special Advisor for Next Generation Internet at the Northeast Big Data Innovation Hub at Columbia University, leading EU-US collaboration to define the Next Generation Internet under the EU Horizon 2020 Initiative. She is on the Editorial Board for the journal Blockchain in Healthcare Today, and on advisory committees for Princeton University, Cal Poly San Luis Obispo, Stony Brook University, and the Computational Approaches for Cancer workshop at Supercomputing conferences. She is on the IEEE Engineering in Medicine and Biology Standards Committee, and Chair of the IEEE Standards Working Group for Clinical Internet of Things Data and Device Interoperability with TIPPSS – Trust, Identity, Privacy, Protection, Safety, Security. She is Editor of the book "Women Securing the Future with TIPPSS For IoT" featuring 16 women authors from around the world. She graduated from Princeton University with a BSE in Mechanical and Aerospace Engineering, and attended executive education at Harvard Business School and Columbia University.
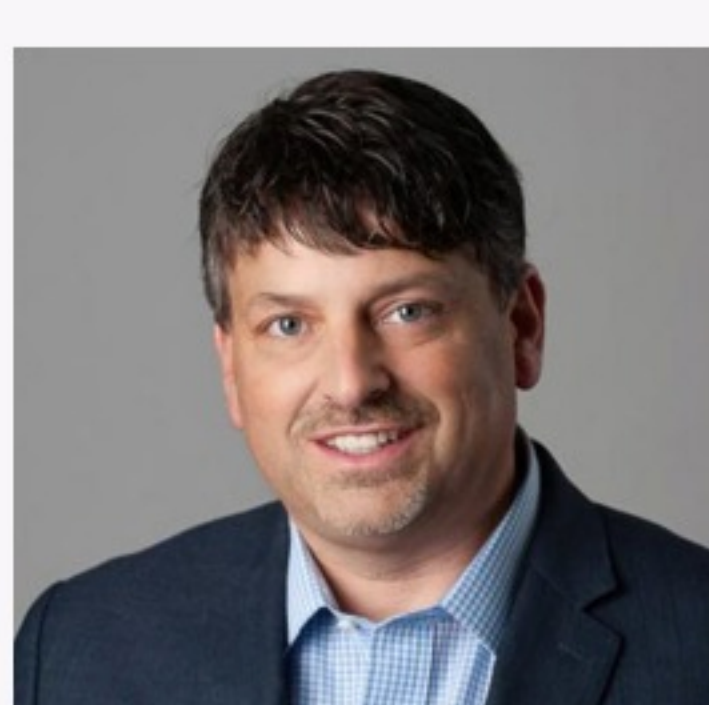
Mike Kijewski

Mike is passionate about new advances in the intersection of information technology and healthcare. Prior to starting MedCrypt, he was the founder of Gamma Basics, a radiation oncology focused software startup. Gamma Basics was acquired by Varian Medical Systems in 2013.

Mike holds an MBA from the Wharton School, and a Master of Medical Physics from the University of Pennsylvania.

Dr. Shane McNamee

Shane McNamee M.D. serves as the Chief Medical Information Officer at Perspecta. Dr. McNamee is an actively practicing, board certified Physical Medicine & Rehabilitation Physician (PM&R). He has spent years supporting the physical and psychological issues of severely combat-wounded and combat-exposed veterans. He is passionately dedicated to designing, building, and delivering tools that improve healthcare delivery across the Federal and Commercial landscape. Prior to joining Perspecta, Dr. McNamee served in the Department of Veterans Affairs in numerous leadership roles. As a polytrauma rehabilitation physician, he specializes in the recovery of those with traumatic brain injury (TBI) and complex combat wounds. He led VA and DoD data interoperability success in the Joint Legacy Viewer, helping to connect patient information across the federal landscape. His areas of expertise in informatics includes health data interoperability, user-centered design, process re-engineering, and decreasing cognitive burden in healthcare applications. He is published in the fields of TBI, complex neurologic injuries, post-combat care, and polytrauma.
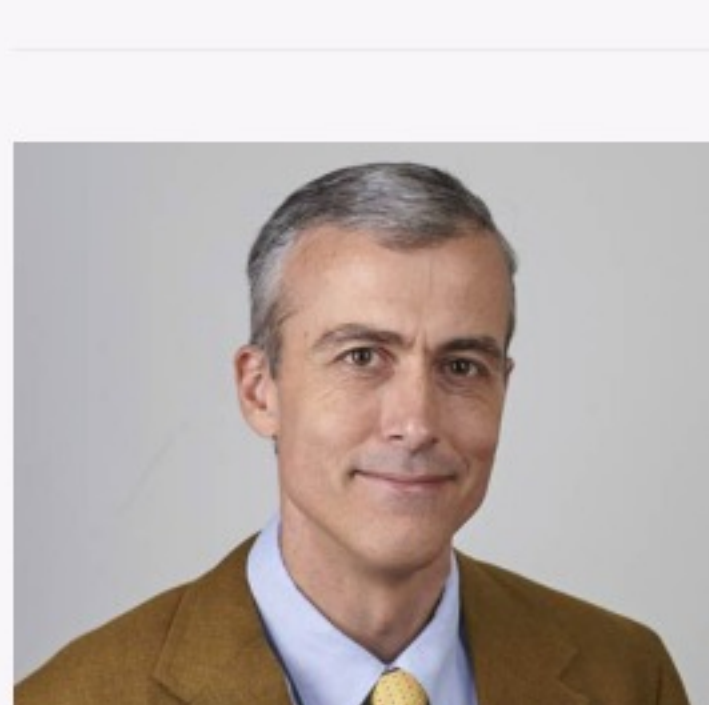
John Squeo

John Squeo is a Principal Director for Strategy in Healthcare at Accenture and the Blockchain Lead for Health and Life Sciences in North America. He is an industry-leading advisor on strategies for payer and provider convergence and health system growth strategies focusing on population health and value-based care leveraging quantitative methods.

Over his 24-year career, John has served as Chief Innovation & Strategy Officer and CIO with large health systems and has consulted to life sciences and health insurance payers covering payer model reimagination, digital transformation and process automation by leveraging advanced technologies including artificial intelligence.

Before joining Accenture, John was Chief Innovation & Strategy Officer for Thorek Memorial Hospital in Chicago where he led the Office of Innovation and he has served in leadership positions for Vanguard Health and HCA.

He holds an MBA from the University of Kentucky and has completed work in Artificial Intelligence for a PhD.
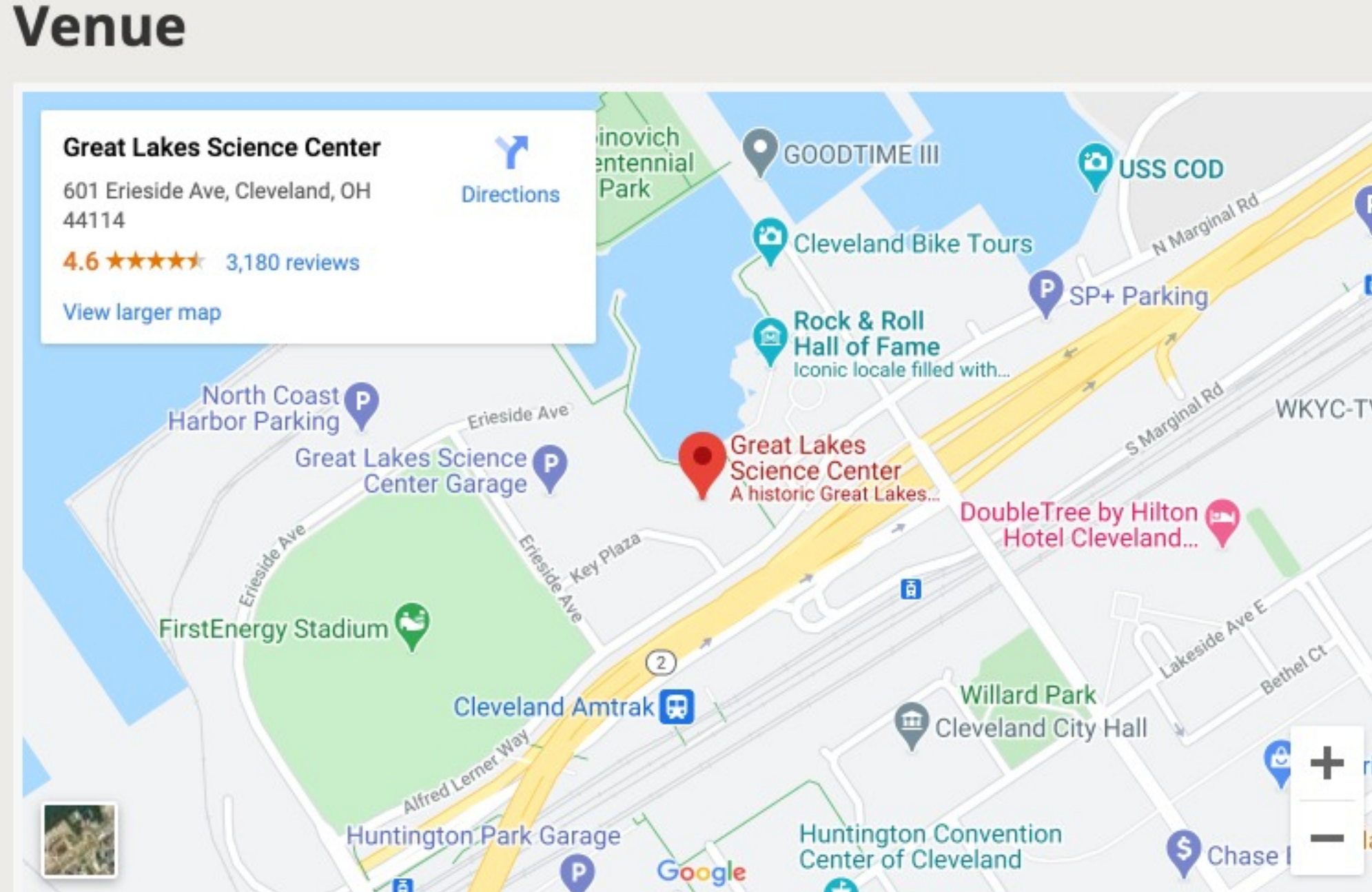
Scott Vance

Scott Vance is a senior RF/Antenna engineer at Wireless Research Center of North Carolina where he assists customers with antenna design and integration. Prior to joining WRCNC, Scott worked for Sony in Sweden from 2005-2014 designing antennas for a variety of compact wireless devices including handsets and wearables. Scott has been active in CTIA for a number of years and developed an innovative test methodology to effectively reduce test times by 50% or more for some certification measurements.

Scott holds a MS in Mechanical Engineering from Stanford and a BS in physics. He has contributed to more than 30 US patents, primarily in the field of antenna design, but also in areas as diverse as biomedical stent implants and virtual reality gloves. Scott is fluent in Japanese and Swedish.

Venue

Great Lakes Science Center
601 Erieside Avenue
Cleveland, OH 44114
Parking and map directions

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Attendee Registration Fee Schedule

Registration fee includes the following:

- One full day of learning, networking and contributing towards solutions
- Breakfast, lunch, and reception
- Discount of $50 towards a one-year membership in the IEEE-SA Global Wireless Platform Development Lab
- Opportunity to contribute to the workshop's industry outcomes report

	Early Bird Fee Before 11 Oct 2019	Standard Fee After 11 Oct 2019
Non-IEEE Member	$199	$299
IEEE Member	$179	$269

10% discount code is provided to IEEE members
and must be used at time of registration.

Registrations

Early Bird Registration — Event Ended

Price — US$199

TOTAL — US$199

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Underwriting Opportunities

Supporting the communities who want to openly collaborate and build consensus for solutions that will enable commercialization of new ideas and technologies benefits all industry stakeholders. Supporting this Workshop directly contributes to the development of technical and data standard activities, industry whitepapers, and global education on the adoption of published standards. Opportunities start at $1,250. See PDF for full details.

Inquiries:

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For questions on current and future workshop programs, technical standards activities and/or the overall WAMIII initiative, please write to:

Maria Palombini
Director of Communities and Opportunities Development, Life Science Practice m.palombini@ieee.org

If you would like to be notified of event and initiative developments, subscribe to the WAMIII interest list