Data Analytics Smart Buildings

November 5, 2025, 7 am PST

Live Stream from Seattle Washington

Join us for a session on Data Collection and monitoring. Find out how this data is being used to create smart buildings, energy efficiencies, and predict equipment breakdowns and/or end of life. You will be able to change equipment before it breaks down, which may stop your whole assembly process saving you thousands of dollars. Can we send you an invite? Yes

Harsheeta Morey   **Nirav Poptani**   **Michael Zambakkides**   **Jon Marc Dangaram**

Mike Brisbois, PE | 708.668.5488 | mike.brisbois@ieee.org

Title: IoT to Edge-AI: Privacy-First Automation for Industrial and Smart Building Environments

Description:
In the era of ubiquitous sensors and real-time connectivity, industrial facilities and smart buildings generate vast volumes of data. This talk presents a unified framework for bridging the domains of IoT and Edge-AI. It will explore how factories and buildings can be viewed as "systems of systems," how edge intelligence can transform operations, and why privacy-by-design should be a foundational principle. Finally, the session will outline key metrics to track and common pitfalls to avoid.
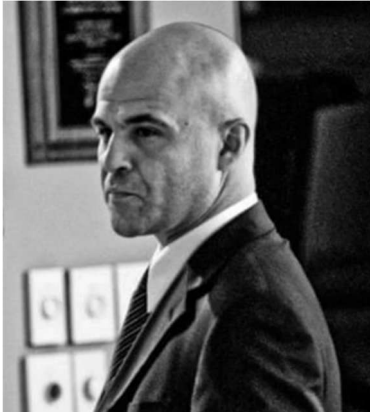
Bio:
Harsheeta is an AI/ML specialist and Founding Engineer with experience building machine learning solutions and end-to-end full-stack applications. With a master's degree in electrical and computer engineering from University of Washington, Seattle, she is part of the founding team at Gone.com, Seattle. Harsheeta has extensive experience in industrial sensor research, having analyzed and optimized multi-modal sensor, electrical, and measurement systems at Tata Motors and IIT Madras, focusing on Industry 4.0 digitalization, data acquisition and signal processing. She has also developed novel neural network architectures for edge devices at Amazon Lab126 and fine-tuned multi-modal sensor encoders at BOSCH USA, applying her expertise to real-world AI and edge intelligence applications.

Harsheeta Morey

CA Nirav H. Poptani is a forward-thinking Chartered Accountant and founder of Nirav H. Poptani & Associates, a consulting and advisory firm that bridges the gap between financial governance and emerging technologies. With over a decade and a half of professional experience across risk management, internal audit, and technology integration, Nirav has worked extensively with organizations in fintech, hospitality, and infrastructure sectors to enhance transparency, compliance, and performance efficiency. Nirav's approach blends financial discipline with innovation by helping organizations move beyond compliance toward data-driven decision-making. His work focuses on embedding analytics, automation, and real-time monitoring into business processes to create intelligent, self-improving control environments.

Nirav Poptani

Michael Zambakkides

Real time data and analytics are crucial for building performance, maintenance, preventative maintenance and overall efficiency for processes, equipment and energy. We will highlight the main areas that site, facilities and building owners and operators in every market should be looking at.

Mike Zambakkides is a seasoned professional running Z3 Controls Inc with his team as EVP for 13 years. He's well established in the energy solutions market primarily focusing on EMIS and related solutions. He currently spearheads the efforts of Z3 Controls Inc in business development, sales and strategic partnerships

Jon Marc Dangaram

Experienced sales leader and trusted customer adviser and advocate. Growth contributor and team builder within technology sales and emerging IoT and A.I. markets. Proven record of delivering innovative solutions and consistent high performance. Passionate about innovation, growth, partnership development, and providing outstanding solutions for partners. At Johnson Controls, we are focused on leading IoT, A.I., and digital transformation within buildings - using data to help solve business problems and create desired outcomes. Please contact me to learn more!

Register at:

https://www.mytechconference.com/event-details/smart-buildings-and-data-analytics

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