Aperture Ventures Summit

&

TekSummit

AGENDA

For the Month of

July 2026

Jointly Hosted by Aperture Venture Studio, GAO Tek Inc., GAO RFID Inc., GAO Research Inc.

APERTURE VENTURE STUDIO	GAO Tek Inc. A Top 10 Global Technology Supplier	GAO RFID Inc. A Top 10 Global BLE & RFID Supplier	GAO RESEARCH Leader in Embedded Technology

Jerry Luftman, Ph.D.

GIIMs Founder, Managing Director, & Professor
International Authority on IT-Business Alignment and IT Trends

July, 01, 2026
Eastern: 1:00pm – 2:30pm
Pacific: 10:00am – 11:30am
Central European: 7:00pm – 8:30 pm

Presentation Language: English

Target Continents: North America, Europe, Australia, Asia

Click here to register as an attendee

Global IT Trends

A significant set of digital insights provide organizations with a point of reference (domestic and global) for important business, technical, sourcing, organizational, social, and spending changes. Digital transformation is nothing new. Depending on your definition, it can go back as far as the middle of the twentieth century. Even by the most conservative interpretations, leading enterprises have been on the digitization path for a couple of decades.

Over the last few years, however, digital transformation has taken on a new urgency. As organizations have weathered the upheavals instigated by the pandemic, inflation/recession, digitization has become integral to their responses and also their future plans. Looking ahead, it is clear that digital technologies will continue to play a seminal role in enterprise strategy and success.

However, certain aspects of digital transformation are likely to increase in importance while others will diminish. This research describes some of the trends IT leaders can expect to become more prevalent – and others that are more likely to fade.

Click Here for GAO's Related Products & Solutions or More Info on TekSummit

David A. Hall

Managing Director of AKT Health,
CIO of AKT Capital

Wednesday, July 08, 2026
Eastern: 1:00pm - 2:30pm
Pacific: 10:00am - 11:30am
Central European: 7:00pm - 8:30 pm

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AI + IoT: Transforming Remote Patient Monitoring and Real-World Clinical Outcomes

This session will explore how the convergence of AI, IoT, and next-generation RPM platforms is reshaping patient care, predictive analytics, and clinical decision-making. I will discuss emerging architectures for real-time monitoring, early detection, risk stratification, and automated workflows; the evolution of sensor ecosystems and interoperability; and the role of AI-driven insights in improving outcomes, lowering costs, and supporting decentralized care models.

The talk will also highlight practical implementation frameworks, regulatory considerations, and examples of how health systems and life science organizations are deploying AI-enabled IoT solutions at scale.

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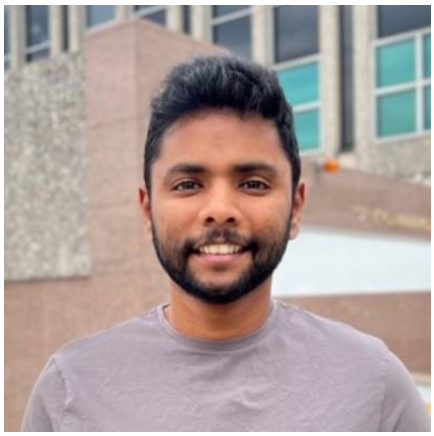

Joshua Joseph

Autonomous Mobile Robot (AMR) Deployment Engineer at Tesla

Wednesday, July 15, 2026
Eastern: 1:00pm - 2:30pm
Pacific: 10:00am - 11:30am
Central European: 7:00pm - 8:30 pm

Presentation Language: English

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Click here to register as an attendee

Scaling Sensor-Validated AMRs in Legacy U.S. Factories to Enhance Efficiency, Safety, and Competitiveness

Legacy U.S. factories are the backbone of American manufacturing, yet material handling often remains a bottleneck. In this session, Joshua Joseph, Tesla AMR Engineer, shares hands-on insights from Tesla's pilot and scaled deployments of Autonomous Mobile Robots (AMRs), showing how sensor-rich, hardware-validated robots can transform factory operations.

You'll discover how to:

- Use **RFID, lidar, machine vision, and sensors** to test and optimize AMR performance
- Integrate robots with fleet management, warehouse systems, PLCs, and analytics dashboards
- Apply predictive maintenance and digital twinsto minimize downtime and maximize throughput
- Embed human-robot collaboration to improve safety and workforce adoption

- Scale deployments across multiple production lines with measurable ROI

This session reframes automation from "will it work?" to **"how can we validate, scale, and replicate success?"**, giving manufacturing leaders actionable strategies to modernize legacy operations and strengthen U.S. factory competitiveness.

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Mary Grygleski

Global VP for Western Hemisphere, The AI Collective

Wednesday, July 22, 2026
Eastern: 1:00pm - 2:30pm
Pacific: 10:00am - 11:30am
Central European: 7:00pm - 8:30 pm

Presentation Language:
English

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Harnessing Event-Driven and Multi-Agent Architectures for Complex Workflows in Generative AI System

We live in a complicated world, and we are beginning to see that today's generative AI systems are simply not well equipped to handle the increased complexity that is found, especially in business workflows and transactions. Event-driven architectures and multi-agent systems offer a promising solution by enabling real-time processing, decentralized decision-making, and enhanced adaptability.

This presentation proposes an in-depth exploration of how event-driven architectures and multi-agent systems can be leveraged to design and implement complex workflows in generative AI. By combining the real-time responsiveness of event-driven systems with the collaborative intelligence of multi-agent architectures, we can create highly adaptive, efficient, and scalable AI systems. This presentation will delve into the theoretical foundations, practical applications, and benefits of integrating these approaches in the context of generative AI.

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Heath Gaffney

President of IMSYS Security

Wednesday, July 29, 2026
Eastern: 1:00pm - 2:30pm
Pacific: 10:00am - 11:30am
Central European: 7:00pm - 8:30 pm

Presentation Language:
English

Target Continents: North America, Europe, Australia, Asia

Click here to register as an attendee

The IPAS Platform: Redefining Physical Security Through Intelligent Presence Awareness

The physical security industry is at a turning point. Traditional systems have long operated in silos, separating video management, access control, visitor management, analytics, and field response into disconnected tools. As threats become more dynamic and organizations demand greater operational awareness, the next evolution of security requires a unified platform approach.

This presentation introduces the **IPAS Platform (Intelligent Presence Awareness System)**, an integrated security ecosystem designed to unify physical security technologies into a single, intelligent operating environment. Rather than treating access control, video, mobile surveillance, analytics, and situational awareness as separate products, IPAS brings them together into one scalable architecture built for enterprise, government, education, healthcare, critical infrastructure, and smart-site deployments.

The session will explore how a modern platform can:

- unify video, access control, and mobile security operations
- improve situational awareness through real-time intelligence
- reduce complexity by replacing fragmented system design
- support open architecture and hardware-agnostic deployment strategies
- create a stronger operational foundation for future AI-driven security workflows

Attendees will gain insight into how intelligent platform architecture can transform security from a reactive function into a proactive, awareness-driven operational capability.

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About Aperture Ventures Summit & TekSummit

Aperture Ventures Summit – Advancing AIoT Innovation and Industrial Transformation

Aperture Ventures Summit is a curated global summit series focused on advancing **Artificial Intelligence (AI), the Internet of Things (IoT), and Artificial Intelligence of Things (AIoT)** through real-world industrial and enterprise applications. The summit brings together AI leaders, IoT experts, industrial innovators, startup founders, researchers, corporate partners, and technology practitioners to exchange ideas, showcase AIoT systems, and foster meaningful collaboration.

Unlike traditional conferences, Aperture Ventures Summit operates as a continuous engagement platform featuring ongoing expert sessions, technical showcases, and collaborative discussions that highlight practical AIoT implementations across diverse industries.

Key Focus Areas

- AI for industrial and enterprise systems
- IoT architectures, connectivity, and edge computing
- AIoT system design and deployment
- Computer vision, predictive analytics, and automation
- Digital twins and intelligent operations
- Industrial IoT security and interoperability
- Smart manufacturing and connected infrastructure

- Scalable AIoT solutions for real-world environments
- Cross-industry AIoT applications and best practices

Summit Experience

- Expert presentations from AI, IoT, and AIoT thought leaders
- Real-world AIoT system showcases and demonstrations
- Technical discussions on emerging technologies and industry trends
- Knowledge sharing, collaboration, and professional networking
- Exploration of practical AIoT solutions for industrial and enterprise transformation

TekSummit: The Premier Global AI, IoT & Emerging Technologies Summit

The GAO (Global Advanced Operations) Group launched **TekSummit** in 2021, and it was an immediate success. The event was successfully held in 2021, 2022, and 2023, featuring hundreds of distinguished speakers and thousands of attendees from around the world. TekSummit was paused in 2024 and 2025 to allow the organization to focus on its rapidly growing businesses.

In 2026, **TekSummit** returns as a premier global online event and is jointly hosted with **Aperture Ventures Summit**. Together, the two platforms bring AI leaders, IoT experts, industrial innovators, researchers, technology professionals, startup founders, and corporate partners together to exchange knowledge, showcase innovative solutions, and explore real-world applications of AI, IoT, and AIoT technologies. Through expert-led sessions, technical discussions, and collaborative networking, participants will gain valuable insights into emerging technologies and their practical implementation across industries.

For information about the 2023, 2022, and 2021 TekSummit events, please visit: https://gaotek.com/teksummit/2023-2022-2021/

TekSummit – Hosted by GAO Tek Inc., a Top 10 World Leader for B2B Technologies:

- **TekSummit – AI, IoT & M2M**
- **TekSummit – AI, Advanced Test & Measurements**
- **TekSummit – AI, Advanced Networks & Network Testing**
- **TekSummit – AI in Industries & Commerce**
- **TekSummit – AI, Industrial & Commercial Drones**
- **TekSummit – Funding and Growing AI & Deep Tech Ventures**
- **TekSummit – Rebuilding Ukraine with AI & Advanced Technology and Global Partnership**
- **TekSummit – Make America Great Again (MAGA) Through AI & Deep Tech**

TekSummit – Hosted by GAO RFID Inc., Ranked in the Global Top 10 BLE & RFID Leader:

- **TekSummit – BLE & RFID**
- **TekSummit – AI with RFID & BLE**
- **TekSummit – Drones, RFID & BLE**
- **TekSummit – Funding & Growing BLE, RFID, IoT & Cloud & Other Advanced Tech Companies**
- **TekSummit – MAGA (Make America Great Again) with BLE, RFID, IoT, Cloud & Other Advanced Tech**

- TekSummit – Rebuilding Ukraine with BLE, RFID IoT, Cloud & Other Advanced Tech

TekSummit – Hosted by GAO Research Inc., Innovative R & D for ICT:

- TekSummit – R & D for AI, IoT & M2M
- TekSummit – R & D for AI, Advanced Test & Measurement
- TekSummit – R & D for AI, Advanced Networks & Network Testing
- TekSummit – AI in R & D
- TekSummit – R & D with AI & Drones

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SPEAKERS

FOR THE MONTH OF

July 2026

Global IT Trends

Jerry Luftman, Ph.D.

GIIMs Founder, Managing Director, & Professor
International Authority on IT-Business Alignment and IT Trends

Biography

Jerry Luftman's prominent career combines his expertise as a CIO/practitioner, management consultant, and academic leader. Renowned for his mastery of business-IT alignment and global digital trends, Dr. Luftman has authored 19 books, contributed extensively to academic research, and excelled at management consulting, coaching/mentoring, teaching, and public speaking – hallmarks of his exceptional leadership.

After a distinguished 22-year career at IBM (where he was among the strategic leaders of the IBM Palisades Executive Education Center, CIO, and responsible for the successful launch of many landmark products and services), Dr. Luftman transitioned to a celebrated 20-year tenure at Stevens Institute of Technology. There, he was Professor, founder, and Associate Dean of the Information Systems programs – acknowledged as one of the largest globally.

Recognizing the need for executive education in managing digital transformation, Dr. Luftman established the Global Institute for IT Management (GIIM). By leveraging his extensive experience and robust network of leading academics and IT practitioners, he developed an innovative suite of 35 digital management programs encompassing over 150 courses. GIIM partners with affiliates (e.g., companies, universities, management associations) to offer full degrees, certifications, postgraduate diplomas, and customized workshops and seminars tailored to organizational needs.

Dr Luftman's project experience ranges from executive management strategies and considerations through tactical implementation. His renowned model for assessing the maturity of IT-business alignment has a benchmark repository of over one-third of the Global 1,000 companies. He also serves on the Executive Board of several companies, management and academic associations, and publications.

Dr. Luftman's last responsibility at IBM, after being a CIO, was a prominent speaker at IBMs Customer Executive Conference Center in Palisades, N.Y. While responsible for management research, he played a significant role in defining and introducing the IT Strategy and Planning, and Business Process Re-engineering practice methods for the IBM Management Consulting Group.

His framework for applying the strategic alignment model is essential in helping clients comprehend, define, and scope the appropriate strategic planning approaches to pursue. Dr. Luftman's annual global IT trends research, sponsored by several CIO associations and universities, is recognized internationally as an industry barometer.

Presentation Title: Global IT Trends

Abstract

A significant set of digital insights provide organizations with a point of reference (domestic and global) for important business, technical, sourcing, organizational, social, and spending changes.

Digital transformation is nothing new. Depending on your definition, it can go back as far as the middle of the twentieth century. Even by the most conservative interpretations, leading enterprises have been on the digitization path for a couple of decades.

Over the last few years, however, digital transformation has taken on a new urgency. As organizations have weathered the upheavals instigated by the pandemic, inflation/recession, digitization has become integral to their responses and also their

future plans. Looking ahead, it is clear that digital technologies will continue to play a seminal role in enterprise strategy and success.

However, certain aspects of digital transformation are likely to increase in importance while others will diminish. This research describes some of the trends IT leaders can expect to become more prevalent – and others that are more likely to fade.

health care, where professionals guide clients in using AI responsibly while anchoring recovery in the irreplaceable science, intuition, and skilled interpersonal work of psychotherapy.

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AI + IoT: Transforming Remote Patient Monitoring and Real-World Clinical Outcomes

David A. Hall
Managing Director of AKT Health,
CIO of AKT Capital

Biography

David A. Hall is the Managing Director of AKT Health and CIO of AKT Capital, based in Cambridge, Massachusetts. He leads global strategy, clinical innovation, and AI transformation initiatives across the healthcare, life sciences, pharma, biotech, and medtech sectors.

David's work spans 18+ countries and more than 118 completed projects, including clinical development strategy, regulatory planning, AI/ML implementations, real-world evidence solutions, decentralized clinical trials, digital health ecosystems, and remote patient monitoring programs. A recognized healthcare innovation leader, he serves as a speaker, advisor, mentor, and judge across industry conferences and academic institutions, including the Harvard community.

Presentation Title: AI + IoT: Transforming Remote Patient Monitoring and Real-World Clinical Outcomes

Abstract

This session will explore how the convergence of AI, IoT, and next-generation RPM platforms is reshaping patient care, predictive analytics, and clinical decision-making. I will discuss emerging architectures for real-time monitoring, early detection, risk stratification, and automated workflows; the evolution of sensor ecosystems and interoperability; and the role of AI-driven insights in improving outcomes, lowering costs, and supporting decentralized care models. The talk will also highlight practical implementation frameworks, regulatory considerations, and examples of how health systems and life science organizations are deploying AI-enabled IoT solutions at scale.

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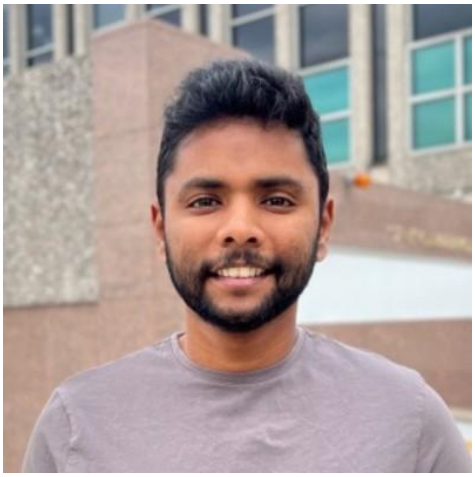

Scaling Sensor-Validated AMRs in Legacy U.S. Factories to Enhance Efficiency, Safety, and Competitiveness

Joshua Joseph

Autonomous Mobile Robot (AMR) Deployment Engineer at Tesla

Biography

Joshua Joseph is an Autonomous Mobile Robot (AMR) Deployment Engineer at Tesla, leading pilot deployments and scaling AMR systems to optimize material flow across new and legacy factories. He specializes in sensor-driven testing, RFID integration, and human-robot collaboration**,** connecting robotics with fleet management, warehouse systems, PLCs, and real-time analytics. Joshua combines hands-on deployment experience with strategic insights to help manufacturing leaders implement scalable automation that boosts throughput, safety, and operational efficiency.

Presentation Title: Scaling Sensor-Validated AMRs in Legacy U.S. Factories to Enhance Efficiency, Safety, and Competitiveness

Abstract

Legacy U.S. factories are the backbone of American manufacturing, yet material handling often remains a bottleneck. In this session, Joshua Joseph, Tesla AMR Engineer, shares hands-on insights from Tesla's pilot and scaled deployments of Autonomous Mobile Robots (AMRs), showing how sensor-rich, hardware-validated robots can transform factory operations.

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Harnessing Event-Driven and Multi-Agent Architectures for Complex Workflows in Generative AI System

Mary Grygleski

Global VP for Western Hemisphere, The AI Collective

Biography

Mary is the Global VP for the Western Hemisphere at the AI Collective, overseeing the health and growth of the community in North and Latin Americas. She started her career in software engineering and has a deep interest, especially in distributed systems, which covers all spectrums in the computing world. She is also very passionate about tech advocacy and community work, and has been leading the Java users' group in Chicago since 2015, and is actively engaged with the AI Collective Chicago Chapter. She is recognized as a Java Champion and recently as an Oracle ACE Associate.

Presentation Title: Harnessing Event-Driven and Multi-Agent Architectures for Complex Workflows in Generative AI System

Abstract

We live in a complicated world, and we are beginning to see that today's generative AI systems are simply not well equipped to handle the increased complexity that is found, especially in business workflows and transactions. Event-driven architectures and

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The IPAS Platform: Redefining Physical Security Through Intelligent Presence Awareness

Heath Gaffney

President of IMSYS Security

Biography

Heath Gaffney is President of IMSYS Security and the visionary behind the **IPAS Platform (Intelligent Presence Awareness System)**, a next-generation physical security ecosystem designed to unify access control, video management, mobile surveillance, and intelligent awareness into one scalable solution.

With more than 25 years of experience in security technology, system integration, and enterprise deployment strategy, Heath has worked across commercial, institutional, and regulated environments to help organizations modernize how they protect people, property, and operations. His work is centered on advancing security beyond traditional siloed products and toward fully integrated, awareness-driven platforms that improve visibility, response, and long-term operational value.

Through IMSYS Security, Heath is leading the development and market expansion of the IPAS Platform as a flexible, hardware-agnostic solution built for the evolving demands of enterprise and public-sector security.

Presentation Title: The IPAS Platform: Redefining Physical Security Through Intelligent Presence Awareness

Abstract

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