
Aperture Ventures Summit & TekSummit

AGENDA For the Month of March 2026

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





Advanced Tracking & Access Control Technologies for People and Physical Assets Based on RFID, BLE & IoT

Ren Wang

CTO GAO RFID Inc.

Wednesday, March 04, 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](#)

As organizations increasingly prioritize real-time visibility, operational efficiency, and security, the convergence of Radio Frequency Identification (RFID), Bluetooth Low Energy (BLE), and Internet of Things (IoT) technologies present a powerful solution for tracking and access control of both people and physical assets. This presentation provides a comprehensive overview of how these technologies can be integrated into robust systems that offer scalable, flexible, and cost-effective approaches to asset management and personnel monitoring.

From a technical perspective, we will delve into the architecture and key components of modern tracking systems, including RFID readers and tags (passive and active), BLE beacons, gateways, edge computing devices, and cloud-based IoT platforms. We will compare the performance characteristics of RFID and BLE in various environments, addressing



factors such as read range, energy consumption, data transmission rates, and interoperability. Security protocols, data encryption, and authentication mechanisms will also be discussed, highlighting best practices for protecting sensitive access and location data.

On the business side, the session will explore use cases across industries—such as manufacturing, logistics, healthcare, and corporate environments—where these technologies enable real-time inventory tracking, personnel safety monitoring, automated check-ins, geo-fencing, and secure area access. We will present ROI considerations, deployment strategies, and integration with existing IT infrastructure, along with case studies that illustrate tangible benefits such as reduced loss, improved compliance, enhanced safety, and labor cost savings.

Attendees will gain both strategic insights and practical guidance on selecting and implementing the right mix of RFID, BLE, and IoT technologies tailored to their organizational needs. The presentation will also touch on future trends such as AI-powered analytics, ultra-wideband (UWB), and digital twin technologies as they relate to advanced tracking and access control systems.

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From Data Catalogs to Data Agents: Autonomous Discovery and Governance in Real-Time Sensor Networks

Vipin Kataria

Wednesday, March 11, 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

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Traditional data catalogs were built for a world where data changed slowly and humans had time to document it. But in real-time sensor network environments with thousands of devices generating millions of events per second, this paradigm crumbles. Metadata becomes stale within hours, data quality issues go undetected, lineage remains unclear, and critical decisions are delayed or made on untrustworthy data. Manual cataloging simply cannot keep pace with the velocity and scale of modern sensor deployments.

What if your data catalog could think for itself? This talk introduces the concept of agentic data cataloging, moving from passive documentation to active, intelligent governance powered by autonomous AI agents. Instead of humans manually registering sensors, documenting schemas, and monitoring quality, AI agents continuously discover



new devices, infer metadata, detect anomalies, maintain lineage, and enforce governance policies, all in real-time without human intervention. We'll explore why traditional approaches fail at sensor network scale and how agentic architectures solve these fundamental challenges through continuous discovery, automated profiling, intelligent enrichment, and self-healing workflows. Attendees will learn a practical reference architecture for building agentic data cataloging systems in real-time sensor networks. We'll walk through the five core agents: Discovery Agents that automatically detect and register new sensors, Schema Agents that infer and track data structures as they evolve, Quality Agents that continuously monitor streams and flag anomalies, Lineage Agents that map data flows from edge to analytics, and Governance Agents that enforce policies and remediate issues automatically. The session culminates in a live demonstration showing these agents in action, watch as they autonomously catalog a simulated sensor network, detect and respond to data quality issues, and maintain a living catalog that keeps pace with your infrastructure.

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AI-Driven Digital Transformation: Strategies for Sustainable Growth

Ravi Shankar Bose

Senior Executive, Digital Solutions and AI Strategy, Ascenditure

In this session, Ravi Shankar Bose will explore how organizations can leverage AI to drive digital transformation, focusing on strategies that promote sustainable growth. Key discussion points will include:

- **AI Integration:** Practical approaches to embedding AI into existing business processes to enhance efficiency and decision-making.
- **Scalability:** Techniques for scaling AI solutions to meet the evolving needs of businesses in dynamic markets.
- **Ethical Considerations:** Addressing the ethical implications of AI deployment and ensuring responsible innovation.
- **Case Studies:** Real-world examples of successful AI-driven

Wednesday, March 18, 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

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transformations across various
industries.

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How AI Ecosystem Networks Drive Competitive Wins & Scalable ARR

Matt Fok

Founder & CEO, AI X Network

**Wednesday, March 25,
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

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attendee](#)

Marketing is no longer a cost center; it's your most underutilized profit engine. This session unveils how AI-powered ecosystem networks can transform fragmented marketing spend into a self-funding, scalable ARR engine. By integrating IoT, BLE, RFID, and Test & Measurement data into modular platforms, organizations can activate predictive dashboards, gamified engagement, and affiliate monetization loops.

Attendees will discover:

- How to deploy the “Smart Collaborative Network” to unify stakeholders and data streams
- How AI Crowdfunding enables startups and NGOs to scale through monthly app subscriptions
- How to architect silo-free ecosystems that drive 24/7 lead generation, retention, and referral

Live demos will showcase real-time ARR flywheels, hybrid event platforms, and vertical-specific dashboards that convert



attention into recurring revenue, while saving up to 80% in traditional marketing costs.

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Formal Verification of Spine-Leaf and Clos Topologies in Data Center Networks.

Dr. Sanjay Basu

Senior Director - GPU & Gen AI
Solutions & Services - Cloud
Engineering, Oracle

**Thursday, March 26,
2026**

Eastern: 1:00pm - 2:30pm

Pacific: 10:00am - 11:30am

Central European: 7:00pm -
8:30pm

Presentation Language: English

Target Continents: North
America, Europe, Australia, Asia

[Click here to register as an
attendee](#)

Data center networks built on Spine-Leaf and Clos topologies form the backbone of modern cloud infrastructure, yet ensuring their correctness remains challenging due to scale and complexity. This presentation introduces TopoVerify, a novel formal verification framework that exploits the structural regularity of these topologies to provide mathematical guarantees about network behavior. Our approach achieves 15-30× performance improvements over existing tools while scaling to networks with 2,048 switches. Through case studies with three major cloud providers, we demonstrate how TopoVerify identifies critical configuration errors that traditional testing approaches miss, leading to measurable



improvements in network reliability
and performance.

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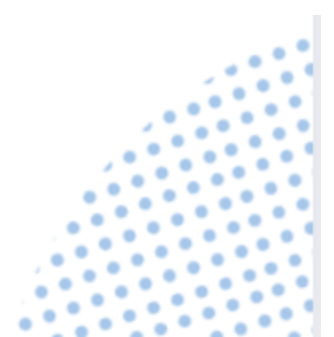
Agro Eviro Tests



Enviro Forest



Eco Gov Test





Property Enviro Tech

Specimen Track

Health Enviro Testing



Smart Utility IoT

Asset Track Pro

IoT For Health Care



Manufacturing Enviro Test

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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
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- 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](#)
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- [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

March 2026





***Advanced Tracking &
Access Control
Technologies for
People and Physical
Assets Based on
RFID, BLE & IoT***

Ren Wang

CTO GAO RFID Inc.

Biography

Ren Wang is the Chief Technology Officer at GAO RFID Inc., a Toronto-based high-tech company, where he designed and implemented GAO IoT System 4.0. With over 25 years of experience, Ren has held senior technology and leadership roles across the US and Canada with companies including IBM, GE, SWIFT, AIG, Reuters, Pitney Bowes, and Nuance Communications.

He is the founder of Altimate Systems, acquired by Pitney Bowes, and has led large-scale enterprise projects in document management, IoT, and cloud-based systems for organizations such as the California Air Resources Board, Milacron, and Philips Medical. Ren holds a Master's degree in Computer Science from McMaster University and is certified in Machine Learning by Stanford University.

Presentation Title: Advanced Tracking & Access Control Technologies for People and Physical Assets Based on RFID, BLE & IoT



Abstract

As organizations increasingly prioritize real-time visibility, operational efficiency, and security, the convergence of Radio Frequency Identification (RFID), Bluetooth Low Energy (BLE), and Internet of Things (IoT) technologies present a powerful solution for tracking and access control of both people and physical assets. This presentation provides a comprehensive overview of how these technologies can be integrated into robust systems that offer scalable, flexible, and cost-effective approaches to asset management and personnel monitoring.

From a technical perspective, we will delve into the architecture and key components of modern tracking systems, including RFID readers and tags (passive and active), BLE beacons, gateways, edge computing devices, and cloud-based IoT platforms. We will compare the performance characteristics of RFID and BLE in various environments, addressing factors such as read range, energy consumption, data transmission rates, and interoperability. Security protocols, data encryption, and authentication mechanisms will also be discussed, highlighting best practices for protecting sensitive access and location data.

On the business side, the session will explore use cases across industries such as manufacturing, logistics, healthcare, and corporate environments where these technologies enable real-time inventory tracking, personnel safety monitoring, automated check-ins, geo-fencing, and secure area access. We will present ROI considerations, deployment strategies, and integration with existing IT infrastructure, along with case studies that illustrate tangible benefits such as reduced loss, improved compliance, enhanced safety, and labor cost savings.

Attendees will gain both strategic insights and practical guidance on selecting and implementing the right mix of RFID, BLE, and IoT technologies tailored to their organizational needs. The presentation will also touch on future trends such as AI-powered analytics, ultra-wideband (UWB), and digital twin technologies as they relate to advanced tracking and access control systems.

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***From Data Catalogs to
Data Agents:
Autonomous Discovery
and Governance in
Real-Time Sensor
Networks***

Vipin Kataria

Biography

Vipin Kataria is an IEEE Senior Member and Distinguished SCRS Fellow with 21+ years of experience in enterprise cloud platforms and AI systems. As Senior Lead Architect - Data/ML at Picarro, he designs cloud data solutions for environmental monitoring and hazardous gas detection, processing real-time IoT sensor data for Fortune 500 companies.

His career spans leading technology companies where he built scalable solutions: at Intel Corporation, he architected automated diagnostic systems for XMM modem platforms; at Amazon, he developed enterprise-grade cloud solutions; and at Aricent Technologies and TCS, he delivered telecommunications and enterprise software platforms. This diverse experience across hardware, cloud, and enterprise domains uniquely positions him to solve complex technical challenges.

A sought-after speaker in the AI and data science community, Vipin has presented at leading conferences, including CDAO Chicago and DSS Miami, and participated as a panelist at the Applied AI Summit. He actively contributes to the AI research



community as an author and peer-reviewed of cutting-edge research papers and serves as a judge for international AI awards and hackathons, helping evaluate breakthrough innovations. He's currently writing *"The Agentic Enterprise,"* which explores how AI agents transform marketing, customer experience, and enterprise operations.

His expertise spans modern data architecture, advanced analytics pipelines, and next-generation AI systems that drive business transformation. Based in Fremont, California, he continues advancing cloud architecture, machine learning, and IoT technologies through both industry practice and thought leadership.

Presentation Title: From Data Catalogs to Data Agents: Autonomous Discovery and Governance in Real-Time Sensor Networks

Abstract

Traditional data catalogs were built for a world where data changed slowly and humans had time to document it. But in real-time sensor network environments with thousands of devices generating millions of events per second, this paradigm crumbles. Metadata becomes stale within hours, data quality issues go undetected, lineage remains unclear, and critical decisions are delayed or made on untrustworthy data. Manual cataloging simply cannot keep pace with the velocity and scale of modern sensor deployments.

What if your data catalog could think for itself? This talk introduces the concept of agentic data cataloging, moving from passive documentation to active, intelligent governance powered by autonomous AI agents. Instead of humans manually registering sensors, documenting schemas, and monitoring quality, AI agents continuously discover new devices, infer metadata, detect anomalies, maintain lineage, and enforce governance policies, all in real-time without human intervention. We'll explore why traditional approaches fail at sensor network scale and how agentic architectures solve these fundamental challenges through continuous discovery, automated profiling, intelligent enrichment, and self-healing workflows.





Attendees will learn a practical reference architecture for building agentic data cataloging systems in real-time sensor networks. We'll walk through the five core agents: Discovery Agents that automatically detect and register new sensors, Schema Agents that infer and track data structures as they evolve, Quality Agents that continuously monitor streams and flag anomalies, Lineage Agents that map data flows from edge to analytics, and Governance Agents that enforce policies and remediate issues automatically. The session culminates in a live demonstration showing these agents in action, watch as they autonomously catalog a simulated sensor network, detect and respond to data quality issues, and maintain a living catalog that keeps pace with your infrastructure.

and data privacy concerns, presenting strategies for securing connected devices and ensuring data integrity.

Attendees will gain insights into the architectural considerations for designing scalable and secure IoT systems, the role of digital twins in simulating and optimizing production processes, and how IoT can facilitate a transition toward Industry 4.0 and smart factories.

Ultimately, this presentation aims to equip manufacturing professionals, engineers, and decision-makers with a strategic understanding of how IoT can be leveraged to build more responsive, efficient, and resilient manufacturing systems in an increasingly competitive and digitally driven global market.

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AI-Driven Digital Transformation: Strategies for Sustainable Growth

Ravi Shankar Bose

Senior Executive, Digital Solutions and AI Strategy,
Ascenditure

Biography

Ravi Shankar Bose is a technology executive with over 20 years of experience in leadership, digital innovation, and strategic advisory. Based in Shanghai, he specializes in AI-driven digital transformation, helping organizations enhance customer engagement and operational efficiency. Ravi has led global teams in shaping AI strategies, delivered keynotes at international conferences, and advised multinational corporations on market expansion and responsible innovation. His expertise spans AI strategy, digital transformation, and sustainable business growth.

Presentation Title: AI-Driven Digital Transformation: Strategies for Sustainable Growth

Abstract

In this session, Ravi Shankar Bose will explore how organizations can leverage AI to drive digital transformation, focusing on strategies that promote sustainable growth. Key discussion points will include:

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- **AI Integration:** Practical approaches to embedding AI into existing business processes to enhance efficiency and decision-making.
 - **Scalability:** Techniques for scaling AI solutions to meet the evolving needs of businesses in dynamic markets.
 - **Ethical Considerations:** Addressing the ethical implications of AI deployment and ensuring responsible innovation.
 - **Case Studies:** Real-world examples of successful AI-driven transformations across various industries.

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How AI Ecosystem Networks Drive Competitive Wins & Scalable ARR

Matt Fok

Founder & CEO, AI X Network

Biography

Matt Fok is the Founder & CEO of AI X Network and eZ-XPO, and a pioneering force in AI-powered digital transformation and ecosystem architecture. With over 25 years of executive leadership across IBM, Oracle, AT&T, and Siemens, Matt has built award-winning platforms that empower startups, NGOs, and enterprises to turn marketing costs into 24/7 ARR engines.

He is the inventor of the “AI Crowdfunding” model, enabling community-driven fundraising through monthly app subscriptions and the architect behind the “Smart Collaborative Network” framework that drives exponential growth across verticals.

- AI X Network was recognized as the “Top Smart AI Network Ecosystem Company in 2025” by CIO Review
- AI X Network was honored as the “Top 2025 Innovative Lead Generation Platform” in the GLOBAL Innovation & Excellence Awards
- eZ-XPO was named one of the “Top 25 Most Innovative Companies in Events”

Matt also leads the AI Entrepreneurship Program for Non-Tech founders, helping close the AI divide through hands-on boot camps and modular platform deployment. His mission: democratize AI adoption and help organizations unlock exponential savings, engagement, and growth.



Presentation Title: How AI Ecosystem Networks Drive Competitive Wins & Scalable ARR

Abstract

Marketing is no longer a cost center; it's your most underutilized profit engine. This session unveils how AI-powered ecosystem networks can transform fragmented marketing spend into a self-funding, scalable ARR engine. By integrating IoT, BLE, RFID, and Test & Measurement data into modular platforms, organizations can activate predictive dashboards, gamified engagement, and affiliate monetization loops.

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