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# **TekSummit & Aperture Ventures Summit**

## **AGENDA For the Month of February 2026**

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





## ***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

**Wednesday, February 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

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

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improvements in network reliability  
and performance.

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## ***From IoT Data Chaos to Intelligent Action: Building Agentic AI on Lakehouse Architecture***

### **Vipin Kataria**

Senior Lead Architect (Data/ML),  
Picarro, Inc.

**Wednesday, February 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

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

The proliferation of IoT devices has created an unprecedented data challenge: millions of sensors generating real-time telemetry, yet critical business decisions still take hours or days because data remains fragmented across incompatible systems. Meanwhile, agentic AI promises autonomous decision-making, but these intelligent systems are only as good as the data foundation they're built upon.

This talk explores how lakehouse architecture bridges the gap between IoT data chaos and intelligent automation, creating a unified foundation that enables truly autonomous AI agents. We'll examine why traditional IoT platforms, data lakes, and data warehouses fail to support agentic AI workloads, and how lakehouse architecture solves these fundamental limitations through unified data access, ACID transactions, schema flexibility, and real-time performance. Attendees will learn how to architect modern IoT systems where AI agents can

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autonomously monitor sensor streams, correlate historical patterns, predict failures, optimize operations, and take action, all within milliseconds. Through real-world use cases in predictive maintenance and intelligent edge computing, we'll demonstrate the practical implementation of this architecture and its transformative impact on operational efficiency.

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## ***ACTAtek Unified Edge AI IoT Solution for People, Security and EHS***

### **Thomas Wan**

Founder & CEO, Jakin ID Technology Inc.

**Wednesday, February 18, 2026**

Eastern: 12:00pm - 1:30pm

Pacific: 9:00am - 10:30am

Central European: 6:00pm -  
7:30 pm

**Presentation Language:**  
English

**Target Continents:** North  
America, Europe, Australia,  
Asia

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

This presentation explores a Unified Edge AI IoT Solution that addresses the challenges of siloed systems by delivering a secure, scalable, and easy-to-deploy platform. With centralized management via cloud or on-premises AMS software, it streamlines operations across multiple applications while eliminating the complexity of using multiple vendors. The system supports both wired (LAN, PoE) and wireless (Wi-Fi, SIM card) connectivity, along with direct integration to electronic locks and third-party systems. Edge AI-enabled IoT devices offer plug-and-play installation, real-time monitoring, smart automation, and online upgrades, minimizing downtime and maintenance efforts. Designed with enterprise-grade cybersecurity, the platform ensures 24/7 secure operations both online and offline. Localized issues are resolved at the edge, while broader challenges are managed via

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the cloud. Ideal for organizations seeking operational efficiency, reliability, and unlimited scalability, this solution transforms traditional infrastructure into a smart, connected ecosystem ready for future growth.

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## ***Winning Against Resistance to Change***

### **Dr. David Weiss**

President and CEO of Weiss International Ltd

**Wednesday, February 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

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

In our fast-paced environment, adaptable organizations have a strong performance advantage. But research consistently indicates that most change efforts fail, in part because leaders are not sufficiently knowledgeable about best practices in how to deal with resistance to change. When that capability is not present, it can result in heightened cynicism and anxiety towards proposed change initiatives in your organization. This keynote, based on the leadership books by Dr. David Weiss and his subsequent work, provides the insights, tools, and techniques to win against resistance to change within your organization.

This insightful, entertaining, and interactive virtual workshop will help participants rethink their practices by answering the following questions:

How to communicate change to maximize engagement using the five stories of change?



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How to influence change outcomes for each of the four major kinds of responses to change?

How to diagnose the four types of resistance to change and how to influence better outcomes in each situation?

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# About TekSummit & Aperture Ventures 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\*\*](#)
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- [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](#)
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- [TekSummit – R & D with AI & Drones](#)

## **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
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## Summit Experience

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

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# **SPEAKERS**

**FOR THE MONTH OF  
FEBRUARY 2026**



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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

### **Biography**

Dr. Sanjay Basu has worked in technology for more than 30 years and currently leads the HPC & AI infra, Generative AI, and GPU Cloud Engineering teams at Oracle Cloud. Sanjay holds a Doctorate in organizational behavior and a double master's in management & computer engineering. He is an alumnus of MIT, MIT Sloan, Oxford Said, and Cambridge University. He is working on his second PhD in Artificial Intelligence. He is a prolific speaker at various Gen AI conferences across North America, Europe, and Asia. He is a Life Member of ACM, AAAI, AAAS, Senior Member of IEEE, and a Fellow of IETE. He is a prolific blogger and author of five technical books and holds six US patents. Read his blogs at <https://sanjaysays.com> , <https://sanjaybasu0.medium.com/> , and his newsletter - <https://www.linkedin.com/newsletters/a-technocrat-s-discernment-6884329727360856065>

**Presentation Title: Formal Verification of Spine-Leaf and Clos  
Topologies in Data Center Networks.**

**Sub-Title: A Compositional Approach Using Temporal Logic**

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**Presentation Type: Technical Research Presentation**

**Session Track: Data Center and Cloud Networking, Spine-leaf and Clos topology verification**

## **Abstract**

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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## ***From IoT Data Chaos to Intelligent Action: Building Agentic AI on Lakehouse Architecture***

### **Vipin Kataria**

Senior Lead Architect (Data/ML),  
Picarro, Inc.

### **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-reviewer 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.

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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 IoT Data Chaos to Intelligent Action: Building Agentic AI on Lakehouse Architecture**

### **Abstract**

The proliferation of IoT devices has created an unprecedented data challenge: millions of sensors generating real-time telemetry, yet critical business decisions still take hours or days because data remains fragmented across incompatible systems. Meanwhile, agentic AI promises autonomous decision-making, but these intelligent systems are only as good as the data foundation they're built upon.

This talk explores how lakehouse architecture bridges the gap between IoT data chaos and intelligent automation, creating a unified foundation that enables truly autonomous AI agents. We'll examine why traditional IoT platforms, data lakes, and data warehouses fail to support agentic AI workloads, and how lakehouse architecture solves these fundamental limitations through unified data access, ACID transactions, schema flexibility, and real-time performance.

Attendees will learn how to architect modern IoT systems where AI agents can autonomously monitor sensor streams, correlate historical patterns, predict failures, optimize operations, and take action, all within milliseconds. Through real-world use cases in predictive maintenance and intelligent edge computing, we'll demonstrate the practical implementation of this architecture and its transformative impact on operational efficiency.

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## ***ACTAtek Unified Edge AI IoT Solution for People, Security and EHS***

### **Thomas Wan**

Founder & CEO, Jakin ID Technology  
Inc.

### **Biography**

Founder and operator of silicon chip design house and semiconductor distribution to being pioneer of edge AI IoT first solutions. Our ACTAtek on premise and cloud solution for people, security, environment, health and safety integrated platforms have daily 100 million users globally.

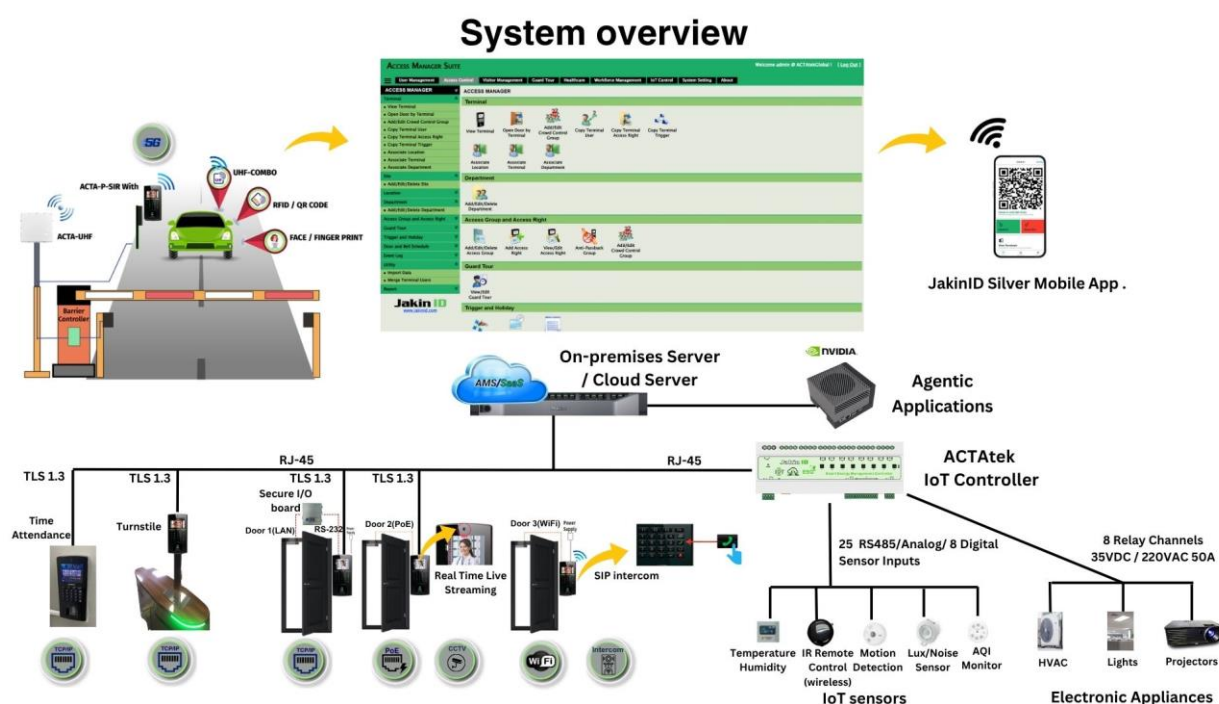
### **Presentation Title: ACTAtek Unified Edge AI IoT Solution for People, Security and EHS**

### **Abstract**

This presentation explores a Unified Edge AI IoT Solution that addresses the challenges of siloed systems by delivering a secure, scalable, and easy-to-deploy platform. With centralized management via cloud or on-premises AMS software, it streamlines operations across multiple applications while eliminating the complexity of using multiple vendors. The system supports both wired (LAN, PoE) and wireless (Wi-Fi, SIM card) connectivity, along with direct integration to electronic locks and third-party

systems. Edge AI-enabled IoT devices offer plug-and-play installation, real-time monitoring, smart automation, and online upgrades, minimizing downtime and maintenance efforts. Designed with enterprise-grade cybersecurity, the platform ensures 24/7 secure operations both online and offline. Localized issues are resolved at the edge, while broader challenges are managed via the cloud. Ideal for organizations seeking operational efficiency, reliability, and unlimited scalability, this solution transforms traditional infrastructure into a smart, connected ecosystem ready for future growth.

## Image of the system



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## ***Winning Against Resistance to Change***

### **Dr. David Weiss**

President and CEO of Weiss International Ltd

### **Biography**

Dr. David S. Weiss, Ph.D., ICD.D is President and CEO of Weiss International Ltd., a firm specializing in innovation consulting, leadership coaching, and HR solutions for the public-sector, social enterprise, and private sector organizations. David has provided consulting on more than 1000 business, organizational, and HR projects, delivered over 200 conference presentations and he has written over 60 journal and trade articles. He is the author or co-author of seven books including *Leadership-Driven HR* (Jossey-Bass) and *Innovative Intelligence* (Wiley, also available in Chinese) which was reported by CBC News as a “top 5 business book” in the year it was published. David has conducted executive sessions in Canada, USA, Hungary, France, England, China, Russia, Israel, Uganda, South Africa, Malaysia, and Chile. Previously, Affiliate Professor of the Rotman School of Management, Senior Research Fellow at Queen’s University, and VP and Chief Innovation Officer of Knightsbridge, David currently teaches at two university executive development programs, Schulich School of Management, and St. Mary’s University. David’s doctorate is from the University of Toronto, and he has three master’s degrees in psychology, education, and philosophy. He is a Certified PCC Coach with the International Coaching Federation and a Certified Life and Wellness coach. He has been honoured by many organizations globally including by the Government of Canada with the “Distinguished Lecturer” certificate, by the Asia-Pacific HR Congress with the “HR Leadership Award,” by HRPA with the lifetime achievement designation of “Fellow HRPA,” and by the Institute for

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Performance and Learning as their first lifetime achievement “Fellow.” Download many of David’s articles at [www.weissinternational.ca/articles](http://www.weissinternational.ca/articles) , read the Wikipedia article about David’s innovative ideas at [www.wikipedia.org/wiki/David Solomon Weiss](http://www.wikipedia.org/wiki/David_Solomon_Weiss) and follow David’s daily infographic posts on LinkedIn along with his over 165,000 followers <https://www.linkedin.com/in/drdauidweiss/>

## **Presentation Title: Winning Against Resistance to Change**

### **Abstract**

How to diagnose the four types of resistance to change and how to influence better outcomes in each situation?

our fast-paced environment, adaptable organizations have a strong performance advantage. But research consistently indicates that most change efforts fail, in part because leaders are not sufficiently knowledgeable about best practices in how to deal with resistance to change. When that capability is not present, it can result in heightened cynicism and anxiety towards proposed change initiatives in your organization. This keynote, based on the leadership books by Dr. David Weiss and his subsequent work, provides the insights, tools, and techniques to win against resistance to change within your organization.

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How to communicate change to maximize engagement using the five stories of change?

How to influence change outcomes for each of the four major kinds of responses to change?

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