


Aperture Ventures Summit & TekSummit

AGENDA For the Month of May 2026

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





Bessie Wang

M.C.P., B.C. Registered
Clinical Counsellor at
Nuway Counselling

Wednesday, May 06, 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 Digital Double-Edged Sword: AI as a Catalyst and Complication in Mental Health Recovery

This presentation explores the transformative and complex role of Artificial Intelligence (AI) in mental health from a clinical perspective. The presenter will examine how clients are proactively using AI tools, from image generators to externalize fears and find comfort, to chatbots for emotional regulation and psychoeducation. These applications can serve as powerful, accessible coping mechanisms.

However, this digital ally has a significant shadow. The talk will critically address the risks, including client dependency, the uncritical acceptance of AI-generated misinformation, and the resultant interpersonal conflicts that can arise. The presenter argues that AI is most effective not as a replacement for human connection, but as a supplement to it. The session will conclude by defining a collaborative future for mental health care, where professionals guide clients in using AI responsibly while anchoring recovery in the irreplaceable science, intuition, and skilled interpersonal work of psychotherapy.



Dr. Antonio Timoteo
Founder & CEO at SoilLogia
LLC

Wednesday, May 13, 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](#)

AI and Carbon Markets: Building an AI Economy Beyond Technology

Artificial intelligence is transforming industries, but its rapidly expanding infrastructure comes with a significant climate cost. AI data centers alone are projected to generate up to 1.4 percent of global carbon emissions by 2030, with electricity consumption in the United States expected to triple by 2028. As governments tighten emission disclosure rules, technology companies will face increasing pressure to offset their carbon footprints responsibly. This session explores how AI companies can turn environmental accountability into a strategic business advantage by investing in carbon credit sourced from biochar-based carbon removal innovators such as SoilLogia. Our model converts invasive species and sewage sludge into biochar, permanently storing carbon, regenerating degraded soils, and improving food productivity. By connecting AI innovation with verified carbon markets, we demonstrate how technology can drive a new climate economy that promotes sustainability, profitability, and inclusive growth.

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Nitin Kumar

Director of Data Science and
GenAI at Marriott
International

Wednesday, May 20, 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](#)

Beyond the Hype: A Practical Framework for Deploying Production- Ready AI Agents

AI agents dominate industry conversations, yet most organizations remain trapped in endless POCs and pilots, unable to move to production. This talk delivers a battle-tested framework for successfully deploying AI agents at scale, covering architectural patterns (from single agents to multi-agent networks) and reasoning strategies (zero-shot to tree-of-thoughts), while addressing the four critical challenges that make or break production deployments: data quality, hallucinations, compliance, and trust. Attendees will learn actionable strategies for mitigating risks through RAG, guardrails, and robust testing; building trust incrementally through shadow-to-autonomous progression; and measuring success across technical, business, and user dimensions. The session emphasizes that data foundations precede AI ambitions, augmentation outperforms replacement, and real value emerges only through actual deployment—not experimentation.

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IoT Manufacturing Tech

IoT for the Manufacturing

The Tech Team at IoT Manufacturing Tech

Wednesday, May 27, 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 integration of the Internet of Things (IoT) into the manufacturing sector—commonly referred to as the Industrial Internet of Things (IIoT)—is rapidly transforming traditional production processes into smart, connected systems. This presentation, titled "IoT for the Manufacturing", explores the transformative potential of IoT technologies across the manufacturing value chain, highlighting real-time data acquisition, predictive maintenance, quality control, and operational efficiency. The talk begins by outlining the foundational elements of IoT, including sensor networks, edge computing, cloud integration, and data analytics. It then delves into specific applications within manufacturing environments such as condition monitoring of equipment, smart inventory management, energy optimization, and human machine interaction. Using case studies from diverse industries—automotive, electronics, and consumer goods—the presentation demonstrates measurable gains in productivity, cost reduction, and process



transparency brought about by IoT deployment. A key focus is placed on the role of IoT in enabling predictive and prescriptive maintenance through continuous monitoring and AI driven analytics, reducing downtime and extending machinery lifespan. The session also addresses cybersecurity 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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IoT For Health Care



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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

May 2026





The Digital Double-Edged Sword: AI as a Catalyst and Complication in Mental Health Recovery

Bessie Wang

M.C.P., B.C. Registered Clinical
Counsellor at Nuway Counselling

Biography

Bessie Wang is a BC Registered Clinical Counsellor. Having worked in this field for over 15 years, she has developed and learned from her experiences in community, in-patient and out-patient settings. She has also encountered people from all walks of life and with various mental health experiences, both positive and negative. She is passionate about helping couples and families to resolve their marital conflicts and overcome hurtful feelings.

She helped couples overcome infidelity issues and regain trust with each other. She bridged the mix cultural couples and families by giving them communication tools. Her unique experience in helping couples dealing with infertility issues is a sprinkle of an enhancement of her work in reproductive mental health. She advocates for pre-marital counselling for those who are stepping into a long-term commitment or who haven't gone through the systematic step-by-step process of such a program.

Bessie's nature is kind, caring, compassionate but also adventurous and resourceful; all of which quickly create trust to strengthen her working relationships with her clients.

Having found her own identity which is a blend of traditional Chinese and mainstream western philosophy, Bessie has firsthand experience of how cultural differences can be understood by being non-judgmental and having an open-minded attitude.



Bessie can help you build confidence in managing your emotional wellness, develop skills to overcome relationship difficulties and ultimately find happiness within yourself and others. Book a free consultation with our intake counsellor to learn more about how Bessie can help.

Presentation Title: The Digital Double-Edged Sword: AI as a Catalyst and Complication in Mental Health Recovery

Abstract

This presentation explores the transformative and complex role of Artificial Intelligence (AI) in mental health from a clinical perspective. The presenter will examine how clients are proactively using AI tools, from image generators to externalize fears and find comfort, to chatbots for emotional regulation and psychoeducation. These applications can serve as powerful, accessible coping mechanisms.

However, this digital ally has a significant shadow. The talk will critically address the risks, including client dependency, the uncritical acceptance of AI-generated misinformation, and the resultant interpersonal conflicts that can arise. The presenter argues that AI is most effective not as a replacement for human connection, but as a supplement to it. The session will conclude by defining a collaborative future for mental 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 and Carbon Markets: Building an AI Economy Beyond Technology

Dr. Antonio Timoteo

Founder & CEO at SoilLogia LLC

Biography

Dr. Antonio Timoteo is the Founder and CEO of SoilLogia, a climate technology company that turns waste into value through biochar-based carbon removal and circular economy solutions. He holds a PhD in Food and Agricultural Sciences from the University of Maryland Eastern Shore, a master's in plant science from Delaware State University, and a Bachelor in Agronomy and Natural Resources from EARTH University. With more than a decade of research experience in agriculture, climate resilience, and waste management, Dr. Timoteo has developed innovative strategies for transforming waste into high-value carbon assets. His work bridges science, technology, and impact entrepreneurship, advancing soil health, food security, and the global transition toward net zero. Enthusiastic about AI, sustainability, and inclusive innovation, he advocates for a future where climate responsibility drives economic opportunity.

Presentation Title: AI and Carbon Markets: Building an AI Economy Beyond Technology



Abstract

Artificial intelligence is transforming industries, but its rapidly expanding infrastructure comes with a significant climate cost. AI data centers alone are projected to generate up to 1.4 percent of global carbon emissions by 2030, with electricity consumption in the United States expected to triple by 2028. As governments tighten emission disclosure rules, technology companies will face increasing pressure to offset their carbon footprints responsibly.

This session explores how AI companies can turn environmental accountability into a strategic business advantage by investing in carbon credit sourced from biochar-based carbon removal innovators such as SoilLogia. Our model converts invasive species and sewage sludge into biochar, permanently storing carbon, regenerating degraded soils, and improving food productivity. By connecting AI innovation with verified carbon markets, we demonstrate how technology can drive a new climate economy that promotes sustainability, profitability, and inclusive growth.

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Beyond the Hype: A Practical Framework for Deploying Production-Ready AI Agents

Nitin Kumar

Director of Data Science and
GenAI at Marriott International

Biography

Nitin Kumar is the Director of Data Science and Gen AI at Marriott International, where he leads large-scale AI initiatives spanning marketing, customer engagement, and operational excellence. His work focuses on bringing Generative AI and intelligent agentic systems from concept to enterprise deployment, enabling real business impact across diverse functions. He is also an active speaker and contributor at leading AI and data science forums, sharing insights on innovation, governance, and the future of AI in business transformation.

Presentation Title: A Practical Framework for Deploying Production-Ready AI Agents



Abstract

AI agents dominate industry conversations, yet most organizations remain trapped in endless POCs and pilots, unable to move to production. This talk delivers a battle-tested framework for successfully deploying AI agents at scale, covering architectural patterns (from single agents to multi-agent networks) and reasoning strategies (zero-shot to tree-of-thoughts), while addressing the four critical challenges that make-or-break production deployments: data quality, hallucinations, compliance, and trust. Attendees will learn actionable strategies for mitigating risks through RAG, guardrails, and robust testing; building trust incrementally through shadow-to-autonomous progression; and measuring success across technical, business, and user dimensions. The session emphasizes that data foundations precede AI ambitions, augmentation outperforms replacement, and real value emerges only through actual deployment, not experimentation.

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IoT for the Manufacturing

The Tech Team at IoT Manufacturing Tech

Biography

Is a dynamic leader in the Industrial Internet of Things (IIoT), helping manufacturers transition into smarter, more connected operations. Headquartered in Chicago, IL, we have rapidly grown to become a trusted partner in the manufacturing tech industry, delivering reliable, innovative IoT solutions tailored to the complex needs of B2B clients across North America. At IoT Manufacturing Tech, we blend technology innovation with product reliability and customer-first support to help companies unlock greater productivity, agility, and visibility. Backed by cutting-edge research, continuous product development, a rigorous quality assurance process, and deep industry expertise, we empower manufacturers to transform their operations through scalable IoT solutions that deliver real-world results.

Presentation Title: IoT for the Manufacturing

Abstract

The integration of the Internet of Things (IoT) into the manufacturing sector—commonly referred to as the Industrial Internet of Things (IIoT)—is rapidly



transforming traditional production processes into smart, connected systems. This presentation, titled "IoT for the Manufacturing", explores the transformative potential of IoT technologies across the manufacturing value chain, highlighting real-time data acquisition, predictive maintenance, quality control, and operational efficiency.

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A key focus is placed on the role of IoT in enabling predictive and prescriptive maintenance through continuous monitoring and AI-driven analytics, reducing downtime and extending machinery lifespan. The session also addresses cybersecurity 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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