Agenda

Summit — Monday, May 11

7:30 am - 7:00 pm Registration
7:30 am - 9:00 am Coffee and Pastries

9:00 am - 11:10 am
Introduction, Awards, Keynote and Panel
Mission City Ballroom—B1-B5

INTRODUCTION
A View from the Summit (Part 1)
Jeff Bier, Founder, Edge AI and Vision Alliance and President, BDTI

PRODUCT OF THE YEAR AWARDS
AI INNOVATION AWARDS

KEYNOTE
AGI Meets the Real World—Toward Reasoning, Planning and Acting Beyond Book Intelligence
Eric Xing, President, Mohamed bin Zayed University of Artificial Intelligence and Professor, Carnegie Mellon University

PANEL
Edge AI and Vision in Robotics: From Benchmarks to Fleet-Scale Reality
*Moderator: **Dave Tokic**, Vice President of Corporate Development, Torc Robotics*
*Panelists: **Vlad Branzoi**, Perception Sensors Team Lead and Senior Staff Engineer, Agility Robotics*
***Bob Kunz**, Chief Architect, Ambarella*
***Rajan Mistry**, Senior Staff Engineer—Developer Advocacy, Qualcomm Technologies, Inc.*
***Mario Munich**, Chief Engineer, Outrider*

11:10 am - 11:25 am Break

11:25 am - 12:30 pm Morning Sessions
Technical Insights 1 | Technical Insights 2
Fundamentals | Business Insights

12:30 pm - 1:30 pm Lunch Exhibit Hall

1:30 pm - 3:10 pm Afternoon Sessions
Technical Insights 1 | Technical Insights 2
Fundamentals | Business Insights
Enabling Technologies 1
Enabling Technologies 2
Enabling Technologies 3

3:10 pm - 4:15 pm Break Exhibit Hall

4:15 pm - 5:55 pm Afternoon Sessions
Technical Insights 1 | Technical Insights 2
Fundamentals | Business Insights
Enabling Technologies 1
Enabling Technologies 2
Enabling Technologies 3

12:30 pm - 7:30 pm Technology Exhibits Exhibit Hall

6:00 pm - 7:30 pm Evening Events

6:00 pm - 7:30 pm Technology Exhibits Reception Exhibit Hall

6:30 pm - 7:30 pm
Women in Vision Reception
Exhibit Hall—ET-3

Summit — Tuesday, May 12

7:30 am - 5:00 pm Registration
7:30 am - 9:00 am Coffee and Pastries

9:00 am - 11:10 am
Introduction, Keynote and Panel
Mission City Ballroom—B1-B5

INTRODUCTION
A View from the Summit (Part 2)
Jeff Bier, Founder, Edge AI and Vision Alliance and President, BDTI

KEYNOTE
Scaling Down Is the New Scaling Up
Vikas Chandra, Senior Director, Meta Reality Labs

PANEL
Vision-Language Models in the Real World: What Ships, What Breaks, What's Next
*Moderator: **Phil Lapsley,** Co-Founder and Vice President, BDTI and Vice President of Business Development, Edge AI and Vision Alliance*
*Panelists: **Rakshit Agrawal,** Principal Applied Scientist, Microsoft*
***Vaibhav Ghadiok**, Co-Founder and CTO*
***David Selinger**, CEO, Deep Sentinel*
***Tushar Sheth**, Co-Founder and CEO, Superfocus.ai*

11:10 am - 11:25 am Break

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Technical Insights 1 | Technical Insights 2
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3:10 pm - 4:15 pm Break Exhibit Hall

4:15 pm - 5:55 pm Afternoon Sessions
Technical Insights 1 | Technical Insights 2
Fundamentals | Business Insights

11:00 am - 5:00 pm Technology Exhibits Exhibit Hall

Overview

Trainings and Edge AI Deep Dive — Wednesday, May 13

Separate registration and fee required for each session.

Edge AI Deep Dive™

Qualcomm

Compiling and Optimizing AI Models for Deployment on Qualcomm Hexagon NPUs with Qualcomm AI Hub

In this hands-on workshop you'll learn how to optimize, compile and test AI models for deployment on Qualcomm Hexagon NPUs using Qualcomm AI Hub—preserving accuracy while staying within memory constraints. You will work through an end-to-end workflow spanning model selection, quantization, compilation, runtime choice, profiling and application integration. You'll leave with a working app, performance data and reusable APIs for scalable on-device AI deployment.

9:00 am - 12:00 pm

SEMI Innovation Center • 673 S Milpitas Blvd, Milpitas, CA

$25

Vision-Language Model (VLM) Trainings

OpenCV | edge ai + vision ALLIANCE

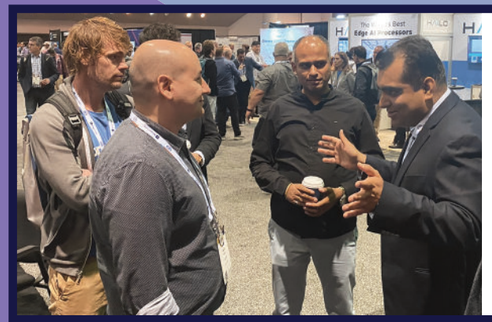
VLMs offer a promising path toward image and video understanding, and the possibility of building agentic physical AI systems based on them. But they're new, complex, fast changing and resource-hungry. These training courses focus on the latest techniques in VLMs, their integration with traditional computer vision methods and their use in video understanding and agentic applications.

9:00 am - 12:00 pm
Introductory Course: Vision-Language Models for Computer Vision Applications: A Hands-On Introduction

1:30 pm - 5:00 pm
Advanced Course: Vision-Language Models for Video Understanding and Agentic AI

Cadence Design Systems, Bldg. 5 • 2655 Seely Ave, San Jose, CA

$495 per session



There's more to see in the Exhibit Hall!

Visit the Speaker Square in the Exhibit Hall

Chat one-on-one with some of our amazing speakers in the Speaker Square. Speaker schedule located in the **Summit mobile app, on the Event Guide Addendum and in the Speaker Square.**

Monday Keynote

Panel

Following Jeff Bier's opening remarks, "A View from the Summit (Part 1)" (9:00 am - 9:35 am on Monday), join us for our Keynote and Panel!

9:35 am - 10:25 am

Monday

AGI Meets the Real World—Toward Reasoning, Planning and Acting Beyond Book Intelligence

Eric Xing

President, Mohamed bin Zayed University of Artificial Intelligence and Professor, Carnegie Mellon University

LLMs have shown astounding capabilities on a wide range of tasks, such as genius-level standard test performance, Olympiad-level math reasoning and human-like conversation ability. However, LLMs are only "book intelligent"; they suffer from limitations for embodied, physical and social reasoning—and for strategic planning—in the real world.

In this talk, we'll explain how to build a true **world model**, rather than a video generator, to simulate actionable possibilities of the real world for reasoning and planning via thought experiment rather than pixel realism. We'll also explain how to build a true **agent model**, rather than an LLM wrapper or software pipeline, to enable learning and acting with flexibility, adaptability and autonomy, and with abilities of self-regulation, reflection, collaboration and socialization. We propose a Generative Latent Prediction architecture for world modeling that builds on stateful latent space, long-horizon and closed-loop action-conditioned latent reasoning and learning/inferencing grounded over realizable world states. In addition, we propose a Goal-Identity-Configurator architecture for agent modeling that can regulate reasoning modes between unconsciously reactive and consciously deliberative, generate real-world actions based on its goals and identity and self-learn off-line from the world model.

Finally, we will present PAN, a physical, agentive and nested framework over the proposed architectures that brings together perception, state, action and causality within one system to support open-domain, interactable world simulation and agentive intelligence. PAN achieves strong performance in action-conditioned world simulation, long-horizon forecasting and simulative reasoning compared to other approaches.

About Eric Xing

Professor Eric Xing is the President of the Mohamed bin Zayed University of Artificial Intelligence and a Professor of Computer Science at Carnegie Mellon University. His main research interests are in the development of machine learning and statistical methodology, as well as large-scale distributed computational systems and architectures, for solving problems involving automated learning, reasoning and decision-making in artificial, biological and social systems. In recent years, he has been focused on building large language models, world models, agent models and foundation models for biology.

Professor Xing completed his undergraduate study at Tsinghua University and holds a PhD in Molecular Biology and Biochemistry from the State University of New Jersey and a PhD in Computer Science from the University of California, Berkeley.

Professor Xing has served on the editorial boards of several leading journals, including *JASA, AOAS* and *JMLR*; is a recipient of several awards, including NSF CAREER, Sloan and Carnegie Science, and Best Paper in conferences such as ACL, ISMB, NeurIPS and OSDI; and is a fellow of several societies, including AAAI, ACM, ASA, IEEE and IMS.

10:25 am - 11:10 am

Monday

Edge AI and Vision in Robotics: From Benchmarks to Fleet-Scale Reality

Moderator:

Dave Tokic

Vice President of Corporate Development, Torc Robotics

Panelists:

Vlad Branzoi

Perception Sensors Team Lead and Senior Staff Engineer, Agility Robotics

Bob Kunz

Chief Architect, Ambarella

Rajan Mistry

Senior Staff Engineer—Developer Advocacy, Qualcomm Technologies, Inc.

Mario Munich

Chief Engineer, Outrider

Edge AI is helping robots see, decide and act in the real world—but the hardest work starts after the demo. In this plenary panel, we'll unpack where edge AI is creating measurable value today, then dive into the system choices that determine whether a robot ships: vision-only versus multimodal sensing and fusion, the real compute bottlenecks (latency, bandwidth, power, thermals, memory and software) and the trade-offs between modular pipelines and end-to-end learned stacks. We'll also discuss the data problem—collection, labeling, simulation and continuous improvement—plus the practical role of foundation and vision-language models in embodied systems. Finally, we'll cover safety and trust around people, why pilots fail to scale, what changes from 10 robots to 1,000, and what breakthroughs are most likely to matter over the next three to five years.

Tuesday Keynote

Panel

Following Jeff Bier's opening remarks, "A View from the Summit (Part 2)" (9:00 am - 9:35 am on Tuesday), join us for our Keynote and Panel!

9:35 am - 10:25 am

Tuesday

Scaling Down Is the New Scaling Up

Vikas Chandra

Senior Director, Meta Reality Labs

The AI industry spent the last decade scaling up. The next decade will be about scaling down: AI that runs on your device, reasons across what you see and hear and understands by utilizing context that never leaves your pocket.

Drawing on our recent work, I'll show how to make this shift algorithmically. Extreme quantization down to sub-2-bit precision doesn't just shrink models; it forces them into entirely new representations. KV cache compression and speculative decoding make interactive latency possible within mobile power budgets. Lightweight vision models bring real-time understanding to cameras. And temporal compression lets models process hours of video on constrained hardware.

These techniques unlock new experiences. Sub-billion parameter reasoning models will power private contextual assistants that understand your routines and daily trade-offs without anything leaving your device. Efficient vision encoders will enable real-time segmentation and object tracking for live video effects, and metric depth estimation on glasses for AR and spatial understanding. Temporal compression will make on-device video search over personal recordings practical.

The AI of choice won't be the biggest model. It will be the one that's always there.

About Vikas Chandra

Vikas Chandra is a Senior Director at Meta Reality Labs, where he leads an AI research team building efficient on-device AI for AI glasses and other mixed-reality products. These devices perceive the world as the wearer does, using context to anticipate needs and take action, laying the foundation for the next generation of human-device interaction.

Prior to joining Meta in 2018, Dr. Chandra was Director of Applied Machine Learning at Arm Research, where his team helped pioneer tinyML, a new field of machine learning that enables AI to run on small, resource-constrained devices.

Dr. Chandra holds an MS and PhD in Electrical and Computer Engineering from Carnegie Mellon University. He has also served as Visiting Scholar (2011-2014) and Visiting Faculty (2016-2017) in the Electrical Engineering Department at Stanford University. He has authored more than 200 research papers and is an inventor on over 40 US and international patents. In recognition of his technical leadership, Dr. Chandra received the ACM/SIGDA Technical Leadership Award in 2009 and was invited to the National Academy of Engineering's Frontiers of Engineering Symposium in 2017. In 2026, he received the Outstanding Alumni Award from Carnegie Mellon University's College of Engineering.

10:25 am - 11:10 am

Tuesday

Vision-Language Models in the Real World: What Ships, What Breaks, What's Next

Moderator:

Phil Lapsley

Co-Founder and Vice President, BDTI and Vice President of Business Development, Edge AI and Vision Alliance

Panelists:

Rakshit Agrawal

Principal Applied Scientist, Microsoft

Vaibhav Ghadiok

Co-Founder and CTO, Hayden AI

David Selinger

CEO, Deep Sentinel

Tushar Sheth

Co-Founder and CEO, Superfocus.ai

Vision-language models are moving fast, but it's not always clear where they add value, and many teams struggle to turn demos into dependable products. In this plenary panel, we'll cut through the hype and focus on where VLMs make sense and the barriers to deploying them in real systems. We'll discuss where VLMs are delivering clear value and where classic computer vision still wins on cost, latency and determinism. Panelists will compare practical hybrid architectures, examine failure modes such as weak grounding and hallucination and outline guardrails, evaluation methods and monitoring that work in production. We'll also debate the edge vs. cloud split, domain adaptation strategies and the privacy/security governance required when models can answer open-ended questions about people and places. Attendees will leave with insights into requirements and potential pitfalls to de-risk their VLM road map.

Monday Sessions Overview

Read the full session abstracts on pages 32-42

Session slides will be available about a week after the Summit. You will receive an email when they are available.

= Invited presentation

Technical Insights 1
Mission City Ballroom—B1-B5

11:25 am - 11:55 am T1M04
From CNNs to LLMs at the Edge: Why Memory, Not TOPS, Is the Bottleneck
David Selinger, CEO, Deep Sentinel

12:00 pm - 12:30 pm T1M05
Decomposing AI Pipelines for Robust Performance at the Edge
Pullarao Maddu, Embedded AI Architect, Valeo

12:30 pm - 1:30 pm Lunch in the Exhibit Hall

1:30 pm - 2:00 pm T1M06
Edge AI Processor SDKs: A Reality Check
Francesco Mattioli, Partnership and Ecosystem Manager, Ultralytics

2:05 pm - 2:35 pm T1M07
Deploying VLMs at the Edge: Model Selection, Memory Reality and System Design
Patrick Farry, Founder and Architect, Intelligence at the Edge

2:40 pm - 3:10 pm T1M08
Can Cheap Chips Run Multimodal AI? Lessons from Testing 17 SoCs
Tushar Sheth, Co-Founder and CEO, Superfocus.ai

3:10 pm - 4:15 pm Break - Be sure to visit the Exhibit Hall!

4:15 pm - 4:45 pm T1M09
Document Intelligence with Vision-Language Augmentation
Sanjay Nichani, VP of AI and Computer Vision, ABBYY

4:50 pm - 5:20 pm T1M10
Shrinking Vision-Language Models for Edge Deployment via Distillation and Pruning
Denis Gudovskiy, Distinguished AI Research Engineer, Panasonic AI Lab

Technical Insights 2
Mission City Ballroom—M1-M3

11:25 am - 11:55 am T2M04
Efficient State-Space Models
Raja Giryes, Professor, Tel Aviv University and Research Scientist, Apple

12:00 pm - 12:30 pm T2M05
Exploring Radar SLAM: Advancing Localization and Mapping for Automotive, Robotics and Beyond
Amit Kumar, Director of Product Management and Marketing, Cadence
Amit Sulakhe, Director in the Vision Group, Cadence Pune

12:30 pm - 1:30 pm Lunch in the Exhibit Hall

1:30 pm - 2:00 pm T2M06
Self-Compression for Edge Inference
James Imber, Director of Research, Imagination Technologies

2:05 pm - 2:35 pm T2M07
Embedded Vision for Real-Time Gravity Infusion Monitoring and Control
Dirk van der Merwe, Autonomous Robotics Lead, DEKA Research & Development

2:40 pm - 3:10 pm T2M08
Smaller Beats Bigger: Developing a Custom VLM for Marketing Image Evaluation
Shradha Agrawal, ML Lead, Adobe

3:10 pm - 4:15 pm Break - Be sure to visit the Exhibit Hall!

4:15 pm - 4:45 pm T2M09
Vision AI in Retail: From Lab to 2,000+ Autonomous Checkout Points of Sale
José Benitez, Founder and Chief AI Officer, Intuitivo

4:50 pm - 5:20 pm T2M10
From iPhone Scan to Structured Building Models: Lessons from 150M Square Feet
Anton Yakubenko, Head of AI and Computer Vision Strategy, Twindo

Fundamentals
Room 203-204 (Upstairs)

11:25 am - 12:30 pm FM04
Introduction to Deep Learning and Visual AI: Fundamentals, Architectures and Real-World Trade-Offs
Gowdhaman Sadhasivam, Chief Technology Officer, Labelbees AI

12:30 pm - 1:30 pm Lunch in the Exhibit Hall

1:30 pm - 2:35 pm FM06
Introduction to DNN Training: Fundamentals, Process and Best Practices
Kevin Weekly, CEO, Think Circuits

2:40 pm - 3:10 pm FM08
Object Detection Models: Balancing Speed, Accuracy and Efficiency
Sage Elliott, AI Engineer, Union.ai

3:10 pm - 4:15 pm Break - Be sure to visit the Exhibit Hall!

4:15 pm - 5:20 pm FM09
Understanding Transformers: From LLMs to Context-Aware Multimodal Models
Tom Michiels, System Architect, Synopsys

5:25 pm - 5:55 pm FM11
Training Models Starts with Data: Collection, Curation and the Refinement Loop
Umabharathi Govindarajan, Senior Machine Learning Engineer, Blue River Technology

Don't miss the Technology Exhibits Reception 6:00 pm - 7:30 pm for food, drink and demos in the Exhibit Hall!

Monday

Business Insights
Room 209-210 (Upstairs)

11:25 am - 11:55 am BM04
Revolutionizing Physical Security with Agentic AI
Steve Lindsey, Co-Founder and Chief Strategist, LVT

12:00 pm - 12:30 pm BM05
Reality Check: Vision and AI Developer Trends and Pain Points and Implications
Phil Lapsley, Co-Founder and Vice President, BDTI and Vice President of Business Development, Edge AI and Vision Alliance

12:30 pm - 1:30 pm Lunch in the Exhibit Hall

1:30 pm - 2:00 pm BM06
Ear-Worn Edge AI Devices: Multifunctional Hearing Aids with Embedded Deep Neural Networks
Achin Bhowmik, Chief Technology Officer and Executive Vice President of Engineering, Starkey

2:05 pm - 2:35 pm BM07
The Rise of the AI-Defined Enterprise: From Autonomous Vehicles to Robots and the Future of Intelligent Machines
Andy Xiao, Staff AI Engineer, Rivian and Volkswagen Group Technologies and Adjunct Professor, San Jose State University

2:40 pm - 3:10 pm BM08
ElliQ: Redefining Healthy Aging through Proactive, Human-Centric AI
Assaf Gad, Chief Strategy Officer and General Manager, Intuition Robotics

3:10 pm - 4:15 pm Break - Be sure to visit the Exhibit Hall!

4:15 pm - 4:45 pm BM09
What Kills Industrial Vision AI Pilots? (Hint: It's Not Model Performance)
Kasper De Smaele, Founder and CEO, Kasqade

4:50 pm - 5:20 pm BM10
The Robotaxi Market Ramps Up
Greg Basich, Associate Director, Counterpoint Research

5:25 pm - 5:55 pm BM11
Building a Virtual Product Placement System: A Case Study
Yash Chaturvedi, Head of Product, Generative Media, Amazon Prime Video

Enabling Technologies 1
Exhibit Hall—ET-1

12:30 pm - 1:30 pm Lunch in the Exhibit Hall

1:30 pm - 2:00 pm E1M06
AMD Vitis AI Workflow: Compilation, Hardware Deployment and Profiling
Thomas Zerbs, Technical Marketing Engineer, Adaptive and Embedded Computing Group, AMD

2:05 pm - 2:35 pm E1M07
Invertible Light Technology: A Paradigm Shift for Depth Sensing
Takeo Miyazawa, Founder and CEO, MagikEye

2:40 pm - 3:10 pm E1M08
One Silicon, Two Worlds: NPU Optimization for Autoregressive and Diffusion Transformers
Shang-Hung Lin, Vice President of NPU Technology, VeriSilicon

3:10 pm - 4:15 pm Break - Be sure to visit the Exhibit Hall!

4:15 pm - 4:45 pm E1M09
Efficient Computer Vision at the Far Edge: Design and Training Under Constraints
Nicolas Widynski, Head of Lattice AI Lab, Lattice Semiconductor

4:50 pm - 5:20 pm E1M10
From Compute-Bound to Memory-Bound: Edge AI Architectures for VLMs
Athish Rahul Rao, Staff Software Engineer, Expedera

Enabling Technologies 2
Exhibit Hall—ET-2

12:30 pm - 1:30 pm Lunch in the Exhibit Hall

1:30 pm - 2:00 pm E2M06
From Generative AI to Physical AI: Enabling VLM/VLA Multimodal Performance on Enhanced NPX6 NPU IP
Gordon Cooper, Principal Product Manager, Synopsys

2:05 pm - 2:35 pm E2M07
HiFi iQ: Enabling Voice AI and Immersive Audio for Smart Home, Mobile and Automotive
Amol Borkar, Group Director of Product Management and Marketing—Tensilica DSPs, Silicon Solutions Group (SSG), Cadence

2:40 pm - 3:10 pm E2M08
Roads to Robots: How Generative AI Is Redefining Memory and Storage for Embodied AI
Saideep Tiku, Principal System Architect, Micron

3:10 pm - 4:15 pm Break - Be sure to visit the Exhibit Hall!

4:15 pm - 4:45 pm E2M09
COOL: Accelerating Computer Vision Workloads with Cloud Optimized OpenCV on AWS
Frantz Lohier, Senior WW Specialist—Advanced Computing, AI and Robotics, Amazon Web Services
Satya Mallick, CEO, OpenCV.org

4:50 pm - 5:20 pm E2M10
Speeding Time to Market with Production-Ready Edge AI Solutions: From Wake Word Detection to Face Recognition
Nick De Rosa, Edge AI Marketing Manager, Microchip Technology
Kannan Srinivasagam, CEO, WG Tech Solutions

5:25 pm - 5:55 pm E2M11
Building a Local Voice Agent on a Raspberry Pi
Pete Warden, CEO, Moonshine AI

Enabling Technologies 3
Exhibit Hall—ET-3

12:30 pm - 1:30 pm Lunch in the Exhibit Hall

1:30 pm - 2:00 pm E3M06
Enabling "GenAI Everywhere": Flexible Model Compatibility and Insight-Driven Workflows
Tae-Ho Kim, Co-Founder and CTO, Nota AI

2:05 pm - 2:35 pm E3M07
Why Your Next AI Accelerator Should Be an FPGA
Mark Oliver, VP of Marketing and Business Development, Efinix

2:40 pm - 3:10 pm E3M08
Democratizing Physical AI: Arduino's Open Door to Qualcomm's Platform
Olivier Bloch, Director of Developer Relations, Qualcomm Technologies, Inc.

3:10 pm - 4:15 pm Break - Be sure to visit the Exhibit Hall!

4:15 pm - 4:45 pm E3M09
From Prototype to Production: What Computer Vision Teams Wish They Knew at 100 Devices
Justin Schneck, Co-Founder and CTO, Peridio

4:50 pm - 5:20 pm E3M10
Navigating Physical AI Deployment Across Multiple Platforms for Automated Optical Inspection
Barrie Mullins, Assistant Vice President, eInfochips (an Arrow company)

Don't miss the Technology Exhibits Reception 6:00 pm - 7:30 pm for food, drink and demos in the Exhibit Hall!

Tuesday **Sessions Overview**

Read the full session abstracts on pages 44-53

Session slides will be available about a week after the Summit. You will receive an email when they are available.

= Invited presentation

Technical Insights 1
Mission City Ballroom—B1-B5

11:25 am - 11:55 am T1T04
Building Trustworthy Autonomous Driving Systems: Waymo's Holistic AI Safety Approach
Chen Wu, Director, Head of Perception, Waymo

12:00 pm - 12:30 pm T1T05
From Decentralized ECUs to Zonal Compute: Emerging Vehicle Architectures for SDV and Edge AI
Frank Moesle, System Architecture and Strategy Manager, Valeo

12:30 pm - 1:30 pm Lunch in the Exhibit Hall

1:30 pm - 2:00 pm T1T06
Beyond "What's in the Image?": World Models for Understanding and Predicting
Gowdhaman Sadhasivam, Chief Technology Officer, Labelbees AI

2:05 pm - 2:35 pm T1T07
Trains, Containers and Embedded Vision AI: How We Track 5M Containers at BNSF
Michael Ibanez, Manager of Autonomous Systems, BNSF Railway

2:40 pm - 3:10 pm T1T08
Pushing the Limits: Sensing and Compute Requirements for Humanoid Robots
Vlad Branzoi, Perception Sensors Team Lead and Senior Staff Engineer, Agility Robotics

3:10 pm - 4:15 pm Break - Be sure to visit the Exhibit Hall!

4:15 pm - 4:45 pm T1T09
Industrial Vision Meets Physical AI: From Automated Vision to Human-Centric Agentic Systems
Mahbubul Alam, Chief Research Scientist, Industrial AI Lab, Research & Development, Hitachi America

4:50 pm - 5:20 pm T1T10
Deploying Embedded Vision in Healthcare: Lessons from Real-World Retina Screenings
Sam Kavusi, Head of Retina Imaging, Google Life Sciences

5:25 pm - 5:55 pm T1T11
Multimodal AI Agents for Content Editing
Yong Jae Lee, Professor, Department of Computer Sciences, University of Wisconsin-Madison and Research Scientist, Adobe Research

Technical Insights 2
Mission City Ballroom—M1-M3

11:25 am - 11:55 am T2T04
From YOLO to SAM: Segmentation Models on Real Edge Hardware
Sébastien Taylor, VP of R & D, Au-Zone Technologies

12:00 pm - 12:30 pm T2T05
Challenges in Deploying Edge AI in the Defense Industry
Roger Garcia, Senior Principal Engineer, Advanced Radar Products Department, Raytheon

1:30 pm - 2:00 pm T2T06
Designing Vision-Based, Battery-Powered Edge AI Sensors
Larry Arne, Director of Hardware, VergeSense

2:05 pm - 2:35 pm T2T07
Small but Mighty: The Rise of Small Language Models and Their Role in the Future of AI
Rakshit Agrawal, Principal Applied Scientist, Microsoft

2:40 pm - 3:10 pm T2T08
Small Language Models for Edge AI: Trade-Offs and Quantization in Practice
Dwith Chenna, MTS Product Engineer, AI Inference, AMD

4:15 pm - 4:45 pm T2T09
Generative AI-Driven Image Dataset Curation for Industrial IoT at Scale
Apurva Godghase, Lead Computer Vision Engineer, Brambles
Nikhil Dange, Senior Computer Vision Engineer, Brambles

4:50 pm - 5:20 pm T2T10
The Immune System for Vision AI: Recovering from Data Poisoning in Critical Systems
Dippu Kumar Singh, Leader of Emerging Technologies (App Services), Fujitsu North America

Fundamentals
Room 203-204 (Upstairs)

11:25 am - 12:30 pm FT04
Vision-Language Models in Practice: Architecture and Performance
Rajy Rawther, PMTS Software Architect, AMD

1:30 pm - 2:35 pm FT06
Specifying and Designing Cameras for Computer Vision Applications
Richard Crisp, Vice President / CTO, Etron Technology America

2:40 pm - 3:10 pm FT08
Auto-Exposure, Auto-White-Balance, and Auto-Focus Algorithms for Embedded Camera Systems
Yu-Chun Chen, Software Development Engineer, Amazon Lab126

4:15 pm - 5:20 pm FT09
Introduction to Depth Sensing: Technologies, Trade-Offs and Applications
Chris Sarantos, Independent Consultant, Think Circuits

5:25 pm - 5:55 pm FT11
Introduction to Simultaneous Localization and Mapping: From Block Diagrams to Real Systems
Amit Gupta, Associate Director—Solution Architecture and Head of Robotics CoE, eInfochips (an Arrow company)

Business Insights
Room 209-210 (Upstairs)

11:25 am - 11:55 am BT04
Interview: Beyond TOPS—Evaluating and Selecting Processors for Edge AI and Vision
Sally Ward-Foxton, Senior Reporter, EE Times
Mark Jamtgaard, Director of Technology, RetailNext

12:00 pm - 12:30 pm BT05
Automating Forklift Movement in Real-World Warehouses
Brian Nachtigall, General Manager, ArcBest | Vaux

12:30 pm - 1:30 pm Lunch in the Exhibit Hall

1:30 pm - 2:00 pm BT06
Vision AI as Catalyst for Accelerating Agricultural Discovery Research
Sudhir Sornapudi, Principal Investigator, Corteva Agriscience

2:05 pm - 2:35 pm BT07
Closing the Visibility Gap: Digitizing the Store as the Foundation for Retail Transformation
Kishor Taywade, CTO, Zippedi

2:40 pm - 3:10 pm BT08
Turning Tech Differentiation into a Strategy for Dominance
Simon Morris, Serial Tech Entrepreneur and Start-Up Advisor, Connected Vision Advisors

3:10 pm - 4:15 pm Break - Be sure to visit the Exhibit Hall!

4:15 pm - 4:45 pm BT09
Interview: Ben Pouladian of *BEP Research* on Emerging Opportunities in Edge AI and World Models
Ben Pouladian, Founder and CEO, BEP Research *and BEP Holdings*
Phil Lapsley, Co-Founder and Vice President, BDTI and Vice President of Business Development, Edge AI and Vision Alliance

4:50 pm - 5:20 pm BT10
From Clinical Problem to Regulated Product: Vision-Based Monitoring for Gravity Infusions
Drew Blais, Engineering Program Manager, DEKA Research & Development

5:25 pm - 5:55 pm BT11
Interview: Robotaxis at the Crossroads—New AI Models, Sensor Fusion and the Road to Scalable AVs
Greg Basich, Associate Director, Counterpoint Research
Junko Yoshida, Independent Journalist

Enabling Technologies 1
Exhibit Hall—ET-1

11:25 am - 11:55 am E1T04
Porting and Optimizing Advanced Vision-Language-Action Models for Embedded Autonomous Systems
Mike Leonard, Software Architect, Quadric

12:00 pm - 12:30 pm E1T05
Always-On Edge Perception Via a Heterogeneous Near-Memory AI Architecture
Petronel Bigioi, CEO, FotoNation

1:30 pm - 2:00 pm E1T06
Accelerating Physical AI with ROCm: High-Performance ML on AMD Embedded iGPUs
Alok Gupta, Senior Technical Marketing Manager, AMD

2:05 pm - 2:35 pm E1T07
How to Train an AI Model Using Roboflow and Deploy to an MCU with an NPU
Kwabena Agyeman, President, OpenMV
Joseph Nelson, Co-Founder and CEO, Roboflow

2:40 pm - 3:10 pm E1T08
From Chips to Platforms: Scaling Edge AI with SoMs, Production Linux and Secure Life-Cycle Ops
Amir Sherman, Head of Global Business Development, S-BD

Enabling Technologies 2
Exhibit Hall—ET-2

11:25 am - 11:55 am E2T04
Why Edge Vision Models Keep Breaking—and What Complete Training Data Changes
David Scott, Founder and CEO, Synetic

12:00 pm - 12:30 pm E2T05
OpenCV 5 First Impressions: What Breaks, What Improves and What Matters
Mark Antonelli, CTO, Boston.AI

1:30 pm - 2:00 pm E2T06
How Qualcomm Is Making Computer Vision Accessible Across Edge Verticals
Derrick Chang, Senior Product Manager, Qualcomm Technologies, Inc.

2:05 pm - 2:35 pm E2T07
No RISC, No Reward: Unlocking Extreme Efficiency in Physical AI with RISC-V
Mayank Mangla, AI Product Manager and Systems Architect, MIPS, a GlobalFoundries company

2:40 pm - 3:10 pm E2T08
Edge-First Coding Agents: Trustworthy Agentic Development for Real Devices
Pietro Antonio Cicalese, Senior Technical Marketing Engineer, Ambarella