



4<sup>th</sup> Tech Summit on

# Artificial Intelligence and Robotics

**September 28-30, 2026 | Paris, France + Virtual**

Venue: Pentahotel Paris CDG Airport

[artificialintelligence@averconferences.com](mailto:artificialintelligence@averconferences.com)  
<https://artificialintelligence.averconferences.com/>





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## Day 1 - September 28, 2026 (Monday)

09:00 - 16:00 Registrations

### Keynote Forum

- 09:30 - 10:00 **Title: AI Ethics is Misleadingly Shaping our Perceptions and our Behaviors**  
Dr. Emmanuel R Goffi, Isep - Paris Institute of Digital Technology, France
- 10:00 - 10:30 **Title: High-Dimensional Post-Shrinkage for AI and Robotics**  
Dr. Syed Ejaz Ahmed, Brock University, Canada
- 10:30 - 11:00 **Title: AI, Justice Systems, and Digital Sovereignty: The true, the bad and the ugly**  
Ms. Karin Tafur, AI Governance Consulting, France

### Networking & Refreshment Break @11:00 - 11:30

- 11:30 - 12:00 **Title: Quantum-Safe by Design: Using AI to Decode, Assess, and Modernize Cryptography**  
Mr. Soenil Soebedar, Soebit Cybersecurity, The Netherlands
- 12:00 - 12:30 **Title: Human-Centered and Responsible AI: Aligning Innovation, Ethics, and Workforce Readiness for Sustainable Global Impact**  
Dr. Karen Lynne-Daniels Ivy, University of Arizona Global Campus, United States of America
- 12:30 - 13:00 **Title: Balancing centralisation and decentralizatiuon: Intercentrality**  
Mr. Rob Van Kranenburg, Universiteit van Tilburg, Belgium

### Lunch Break @13:00 - 14:00

### Keynote Forum

- 14:00 - 14:30 **Title: The Last Mile of AI: Turning Powerful Models into Products People Actually Use**  
Mr. Saurabh Jaiswal, AIMates, Belgium
- 14:30 - 15:00 **Title: Open Source as the Native Language of AI: Creating and Maintaining Software in the Age of Coding Agents**  
Mr. Louis Montagne, Askem, France
- 15:00 - 15:30 **Title: The Future of Leadership in an AI-driven World**  
Ms. Ivana Nikolik, Atos, The Netherlands
- 15:30 - 16:00 **Title: From Local Information to Global Intelligence: Mathematics for Multi-Robot Systems**  
Dr. Mehdi Mcharek, Estaca'Lab, DFCG, France

### Networking & Refreshment Break @16:00 - 16:30

- 16:30 - 17:00 **Title: Building Trust Into AI Products: A PM and Engineering Playbook**  
Ms. Harsha Sridharan, Microsoft, United States of America

### Closing Remarks for Day 1

## Day 2 - September 29, 2026 (Tuesday)

### Virtual Meeting (GMT+2)

### Keynote Forum

- 10:00 - 10:30 **Title: Human-Centric AI and Robotics for Resilient, Ethical, and Scalable Systems**  
Dr. Arshad Husain, The Institute of Professional Studies - TIPS, Pakistan
- 10:30 - 11:00 **Title: Governing the Intelligent Organization: Rethinking Corporate Governance in the Age of AI**  
Mrs. Jil Ebanoidze, FinBigTech, The Netherlands
- 11:00 - 11:30 **Title: Trust-Aware Autonomous Intelligence: A Convergent AI-Robotics Framework for Adaptive, Ethical, and Human-Centric Future Systems**  
Dr. G. Prasanna Lakshmi, Aditya Institute of Technology & Management (AITAM), India
- 11:30 - 12:00 **Title: How Tokenisation and AI Are Rewiring the Foundations of Global Capitalism**  
Mr. Raj Kapoor, India Blockchain Alliance, United Arab Emirates

|               |                                                                                                                                                             |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 12:00 - 12:30 | <b>Title: Agentic AI for Cybersecurity: Autonomous Defence in a Dynamic Threat Landscape</b><br>Dr. Nadeem Qazi, University of East London, United Kingdom  |
| 12:30 - 13:00 | <b>Title: Learning to Plan in Orbit: The Next Frontier of Safe Space Manipulation for OOS Missions</b><br>Dr. Robin Chhabra, University of Toronto, Canada  |
| 13:00 - 13:30 | <b>Title: Humanoids Who Understand: The Next Frontier in Robotic Intelligence</b><br>Dr. Vera Kovaleva, RAI Robotics Advanced Intelligence, The Netherlands |

| Plenary Sessions |                                                                                                                                                                                                                  |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 13:30 - 13:55    | <b>Title: Optimizing MuleSoft for Scalability and Sustainability</b><br>Mr. Venkata Pavan Kumar Gummadi, Broadridge Financials, United States of America                                                         |
| 13:55 - 14:20    | <b>Title: Driving Transformation with AI</b><br>Mr. Mark Mosley, ServiceNow, United States of America                                                                                                            |
| 14:20 - 14:45    | <b>Title: Multi-Agent Systems for Enterprise Financial Applications</b><br>Mr. Ranjit Kumar Reddy Ponugoti, University of Madras, United States of America                                                       |
| 14:45 - 15:10    | <b>Title: Building Enterprise-Ready AI Governance Frameworks for Trustworthy, Secure, and Responsible AI Adoption</b><br>Ms. Sameena Begam Savukath Ali, Liberty Mutual, United States of America                |
| 15:10 - 15:35    | <b>Title: From Observability to Autonomy: Building Agentic AI Systems on Streaming Data Platforms</b><br>Mr. Hari Krishna Pokala,Technology Researcher   Cloud, Kubernetes, Agentic AI, United States of America |
| 15:35 - 16:00    | <b>Title: Agent Contract Data Modeling: A New Methodology for the Agentic AI Era</b><br>Mr. Ravi Kiran Pagidi, Independent Researcher, United States of America                                                  |
| 16:00 - 16:25    | <b>Title: AI-Driven Digital Transformation in Customer Experience: From Campaign Automation to Adaptive Journeys</b><br>Mr. Devyendar Maganti, Prudential Financial, United States of America                    |
| 16:25 - 16:55    | <b>Title: Design aspects of energy efficient deep learning pipeline models to create light weight LLMs</b><br>Dr. Edara Sreenivasa Reddy, VIT-AP, India                                                          |
| 16:50 - 17:15    | <b>Title: Building Trustworthy AI Systems from Data Engineering to Production Reliability</b><br>Mr. Ravi Teja Reddy Mandala, Oracle America Inc, United States of America                                       |

Closing Remarks for Day 2

Day 3 - September 30, 2026 (Wednesday)

Virtual Meeting (GMT+2)

Keynote Forum

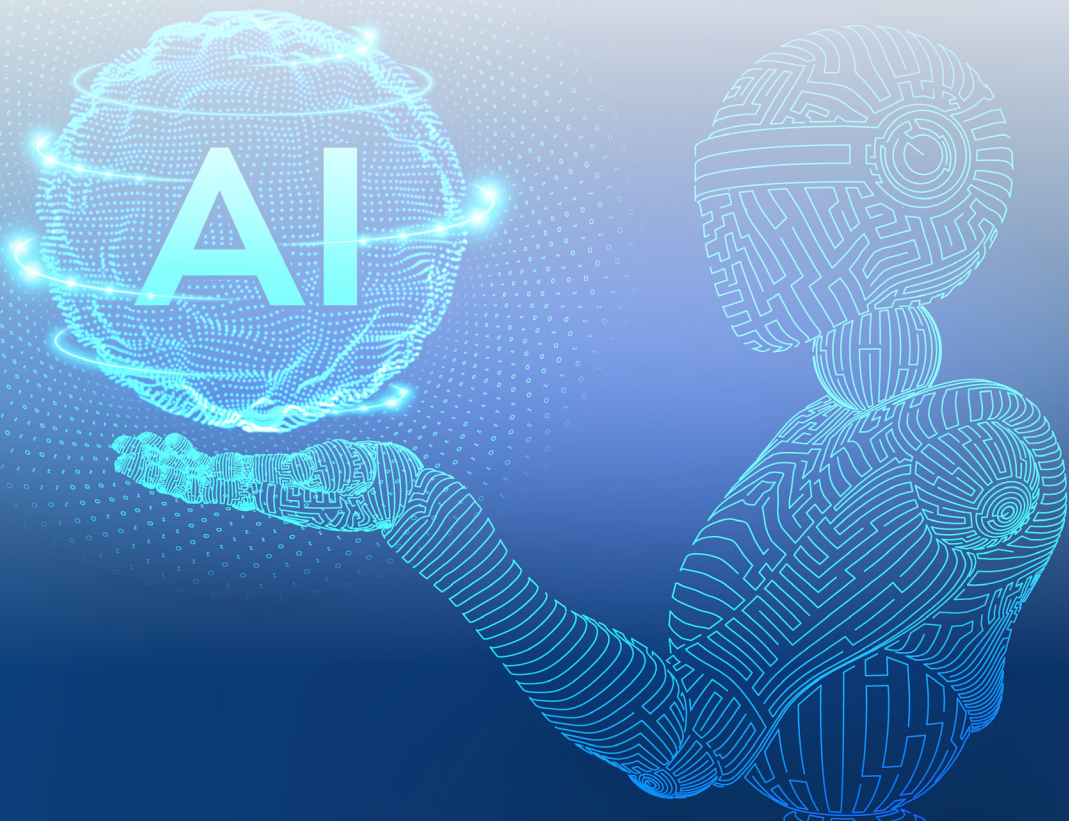
|               |                                                                                                                                                                   |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 09:30 - 10:00 | <b>Title: Beyond the Model: How Collaborative AI Communities Drive Real-World Innovation and Adoption</b><br>Ms. Ioana Marchis-Rusu, Accenture Romania, Romania   |
| 10:00 - 10:30 | <b>Title: Vibe Coding and its applications to structured feedback for trainee teachers</b><br>Prof. Miles Berry, University of Roehampton, United Kingdom         |
| 10:30 - 11:00 | <b>Title: AI-Led Personalization: The Rise of Intelligent AI Agents</b><br>Mrs. Irina Karagyaur, BQ9, United Arab Emirates                                        |
| 11:00 - 11:30 | <b>Title: AI in Industrial and Manufacturing Industry</b><br>Dr. Chirag Agrawal, AI strategy and transformation expert in Manufacturing, United States of America |
| 11:30 - 12:00 | <b>Title: How AI Agents Will Transform the Employee Experience</b><br>Mr. Prasad Bheemavarapu, Oracle America Inc, United States of America                       |
| 12:00 - 12:30 | <b>Title: From Principles to Practice: Operationalizing AI Ethics Through International Standards</b><br>Mr. Sridharan Sankaran, Fynro Advisory Services, India   |
| 12:30 - 13:00 | <b>Title: From AI Output to Decision-Ready Action: Designing Human Judgment into Program Delivery</b><br>Mr. Deepak Kumar, PM Strategy Advisor, Belgium           |

Closing Remarks for Day 3

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# Keynote Forum

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**Dr. Emmanuel R Goffi**

**Insep - Paris Institute of Digital Technology, France**

## **AI Ethics is Misleadingly Shaping our Perceptions and our Behaviors**

Ethics of artificial intelligence (or AI ethics) has become a common catch phrase widely used around the world. Yet, diving into the topic, it appears that there is no consensus on the meaning of this phrase and that setting ethical norms framing the development and use of AI is made highly difficult nay impossible. To go over this difficulty it is essential to understand the role of wording in shaping our perceptions about artificial intelligence and applicable ethical notions. As philosopher Ludwig Wittgenstein wrote it “the limits of my language mean the limits of my world”. Thus, building on both linguist Ferdinand de Saussure’ study of signs and their separation into signified and signifier, and Peter Berger and Thomas Luckmann’s work on the social construction of reality and the importance of language in the shaping of our perceptions, this piece aims at inviting readers to consider the impact of words on their perception of the reality. It will invite readers to question the use of words hardly definable, or even undefinable such as intelligence. It will also shed lights on so-called norms entrepreneurs that are establishing and using a very specific wording to shape perceptions, norms, and eventually behaviors, by setting the boundaries of what AI ethics is and what it is not, to contain the debate into a very narrow framework.

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**Dr. Syed Ejaz Ahmed**

**Distinguished Professor, Brock University, Canada**

## High-Dimensional Post-Shrinkage for AI and Robotics

Modern artificial intelligence and robotics increasingly rely on high-dimensional data generated by sensors, vision systems, control signals, and complex learning environments. In such settings, the number of potential predictors may substantially exceed the available sample size, creating challenges for variable selection, estimation, and prediction. Regularization methods such as LASSO and related penalized estimators provide effective tools for identifying important variables; however, they may discard covariates with weak but meaningful effects. Motivated by the post-selection shrinkage framework of Gao, Ahmed, and Feng (2017), this study investigates the application of post-selection shrinkage estimation to high-dimensional AI and robotic systems. The proposed framework first identifies a candidate subset of important predictors and subsequently applies a data-adaptive shrinkage procedure that combines the selected strong signals with information contained in weaker signals. This approach seeks to improve predictive performance while controlling estimation complexity in high-dimensional settings. We develop the methodological framework in the context of AI- and robotics-related prediction and decision-making problems and examine its statistical properties through theoretical analysis and simulation studies. The results are intended to demonstrate how post-selection shrinkage can provide a flexible bridge between sparse variable-selection methods and high-dimensional estimation, with potential applications in sensor-based robotics, autonomous systems, and machine-learning prediction.

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**Ms. Karin Tafur**

**AI Governance Consulting, France**

## **Smart Automation and Transformation of the Finance Function leveraging AI and Human in the Loop**

AI is becoming embedded in justice systems, from legal research and administrative processes to decision-support tools and other essential functions. Much of the current discussion focuses on its potential benefits. This session takes a broader perspective: when justice institutions adopt AI, do they retain meaningful control over the technologies on which they depend? The discussion is structured around “the true, the bad and the ugly.” The true examines where AI can genuinely enhance access to justice, efficiency and professional capacity. The bad addresses risks including opacity and bias. The ugly explores what happens when dependence on privately controlled technologies begins to constrain institutional autonomy. The session addresses key issues including data, infrastructure, jurisdiction, vendor dependency, transparency, and the ability to adapt, replace or exit AI systems. This session equips participants with a practical framework to assess AI strategically, anticipate dependencies, and make decisions that preserve institutional autonomy, resilience, and the ability to remain in control. Although the discussion focuses on justice systems, the framework provides public and private organizations across sectors with a practical basis for assessing and managing AI dependencies in critical operations.

### **Biography:**

Karin Tafur is an internationally recognized expert in AI governance, ethics, and regulation, with nearly a decade of experience advising organizations and evaluating AI innovation. She advises AI initiatives at the Inter-American Development Bank and serves as an expert evaluator for Horizon Europe at the European Commission, assessing strategic AI and digital innovation projects. She has also contributed to CEN-CENELEC’s work on European AI standardization.

Her expertise has been recognized through contributions to scientific and general-interest publications across Switzerland, the UK, France, Spain, and other countries, as well as through her co-authorship of two books. She has been affiliated with the Information Society Law Center (ISLC) at the University of Milan, held an academic appointment as Adjunct Professor at Emlyon Business School. Additionally, Madame Tafur supports public and private sector organizations in building organizational capabilities, enabling strategic AI adoption, and navigating emerging opportunities and risks associated with AI.

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**Mr. Soenil Soebedar**  
Soebit Cybersecurity, The Netherlands

## **Quantum-Safe by Design: Using AI to Decode, Assess, and Modernize Cryptography**

Quantum computing is rapidly shifting from theoretical promise to practical capability, placing unprecedented pressure on the cryptographic foundations that secure today's AI systems, robotics platforms, and global digital infrastructure. The transition to quantum-safe security is not a simple algorithm swap — it is a complex modernization challenge that requires deep visibility, intelligent prioritization, and large-scale transformation across heterogeneous environments.

This keynote introduces AI-driven cryptographic modernization, a new approach where artificial intelligence becomes the engine that discovers, analyzes, and upgrades cryptography at enterprise and national scale. Drawing on real-world experience in cryptography architecture, defence-grade PKI, and critical-infrastructure security, the session demonstrates how AI can automatically map cryptographic assets, detect weak or non-compliant implementations, and model the impact of quantum-enabled adversaries long before Q-Day arrives.

### **Attendees will learn how AI & ML can:**

- Identify deprecated algorithms, entropy weaknesses, and vulnerable key lifecycles
- Uncover hidden cryptographic dependencies across AI pipelines, IoT, and robotics systems
- Generate risk-based migration paths aligned with NIST post-quantum standards
- Automate modernization workflows to reduce cost, complexity, and human error

The keynote also explores how organizations can design quantum-safe architectures from the start, embedding resilience into autonomous systems, intelligent devices, and next-generation digital platforms.

Participants will leave with a clear, actionable blueprint for securing the AI-powered, hyper-connected systems that will define the next decade — and a deeper understanding of how AI itself can accelerate the journey toward a quantum-safe future.

### **Biography:**

Mr. Soenil Soebedar is a solution-oriented IT & Cybersecurity professional who spent more than 34 years in the IT sector, 23 years as a Freelancer & Founder & CEO of SOEBIT Cybersecurity in Utrecht, Netherlands and 14 years in the Cyber Security field as Ethical Hacker, Penetration tester, PKI/Cryptography specialist AI Engineer, Senior Security Engineer, Senior SOC Specialist, Digital Forensics Investigator, Trainer & Speaker. He lives and studies in the Netherlands, born in Suriname (South America). He is Working (3,5+ years) as freelancer for Ministry of Defence NL (MoD), ABN-AMRO Bank, Dutch Central Bank, Ministry of Justice & Security in the Netherlands and many more companies in Europe.

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**Dr. Karen Lynne-Daniels Ivy**  
University of Arizona Global Campus, USA

## **Human-Centered and Responsible AI: Aligning Innovation, Ethics, and Workforce Readiness for Sustainable Global Impact**

Artificial Intelligence is rapidly transforming industries, governments, educational institutions, and societies worldwide. While technological capabilities continue to advance at unprecedented rates, many organizations face significant challenges in ensuring AI systems remain aligned with human values, ethical principles, workforce needs, and societal expectations. The future success of AI depends not only on technical innovation but also on responsible implementation that fosters trust, transparency, accountability, and human empowerment. This presentation explores a human-centered approach to Responsible AI that integrates ethical governance, workforce readiness, leadership, and organizational transformation. Drawing upon executive leadership experience in higher education, workforce development, cybersecurity, and international Responsible AI capacity-building initiatives, attendees will gain practical insights into how organizations can successfully align AI innovation with human and societal priorities. The session examines key challenges associated with AI adoption, including algorithmic bias, transparency concerns, workforce displacement fears, governance gaps, and organizational resistance to change. Participants will explore strategies for developing AI literacy, strengthening stakeholder trust, implementing ethical decision-making frameworks, and fostering cultures that support responsible innovation. Special attention will be given to the growing importance of aligning AI systems with human values and organizational missions while preparing workforces for an increasingly AI-enabled future. Real-world examples from education, industry, and international collaboration initiatives will demonstrate how leaders can balance technological advancement with ethical responsibility. Attendees will leave with actionable frameworks for building Responsible AI ecosystems that promote innovation, workforce resilience, and sustainable societal impact. The presentation concludes with recommendations for global collaboration among educators, industry leaders, policymakers, and researchers to ensure AI remains a force that augments human potential while advancing ethical, inclusive, and trustworthy outcomes.

### **Biography:**

Dr. Karen Lynne-Daniels Ivy is a global AI and technology educator, workforce innovation strategist, Fulbright Specialist, and higher education executive at the University of Arizona Global Campus. She has more than two decades of leadership experiences spanning technology, cybersecurity, workforce development, organizational transformation, and higher education. Her work focuses on responsible AI, AI literacy, workforce readiness, leadership development, and the ethical integration of emerging technologies. Dr. Ivy has led international capacity-building initiatives through the Fulbright Specialist Program and has presented at global conferences on artificial intelligence, workforce transformation, and innovation leadership. A recipient of the U.S. Presidential Lifetime Achievement Award, she is recognized for advancing educational access, workforce empowerment, and human-centered approaches to technology adoption. Her mission is to help individuals and organizations leverage AI responsibly to create meaningful, sustainable, and inclusive impact in an increasingly technology-driven world.

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**Mr. Rob Van Kranenburg**  
Universiteit van Tilburg, Belgium

## Balancing centralisation and decentralization: Intercentrality

The authors of the 2026 article The EU Needs Semiconductor Supply Security to Achieve Digital Sovereignty argue that “the EU should consider producing some chips domestically as a safety net and climb the supply chain participation ladder by R&D, especially in design, meaning industrial policy is necessary.” According to Dr. Faruk Sari, Chief Executive Officer. Cyber Quanta, this strongly reinforces that digital sovereignty cannot be achieved through regulation alone; Europe also needs the technological and experimentation infrastructure to design, test and evolve its own future systems. In a recent breakfast session “Can we run a business or a factory on European technology?” Prof. at imec - Universiteit Gent - IDLab supports the authors Alicia García-Herrero and Gary Ng in that Europe should speed up chipsets but first and foremost focus on niche opportunities and specialised features. Europe should not aim to compete with the likes of Qualcomm, but collaborate. Specifically relevant to 6G is to avoid regulatory and technical forced complexity and opt for white box networking: “use generic, brand-name-free commodity hardware and allow organisations to choose and install their own network operating systems.” According to the authors “the objective should not only be chip production in the EU but also to increase our participation in the value chain, especially at the highest end of the value added.” They reasonably and timely argue that “the chip industrial policy should have a clearer mission, including the distribution of responsibilities at the EU and national level to avoid excessive competition among member states through subsidies, thereby increasing the cost of the localisation strategy.” The authors of the 2026 article The EU Needs Semiconductor Supply Security to Achieve Digital Sovereignty argue that “the EU should consider producing some chips domestically as a safety net and climb the supply chain participation ladder by R&D, especially in design, meaning industrial policy is necessary.” According to Dr. Faruk Sari, Chief Executive Officer. Cyber Quanta, this strongly reinforces that digital sovereignty cannot be achieved through regulation alone; Europe also needs the technological and experimentation infrastructure to design, test and evolve its own future systems. In a recent breakfast session “Can we run a business or a factory on European technology?” Prof. at imec - Universiteit Gent - IDLab supports the authors Alicia García-Herrero and Gary Ng in that Europe should speed up chipsets but first and foremost focus on niche opportunities and specialised features. Europe should not aim to compete with the likes of Qualcomm, but collaborate. Specifically relevant to 6G is to avoid regulatory and technical forced complexity and opt for white box networking: “use generic, brand-name-free commodity hardware and allow organisations to choose and install their own network operating systems.” According to the authors “the objective should not only be chip production in the EU but also to increase our participation in the value chain, especially at the highest end of the value added.” They reasonably and timely argue that “the chip industrial policy should have a clearer mission, including the distribution of responsibilities at the EU and national level to avoid excessive competition among member states through subsidies, thereby increasing the cost of the localisation strategy.”

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**Mr. Saurabh Jaiswal**

**Founder, AI Mates | Pro Consulting BV, Belgium**

## **The Last Mile of AI: Turning Powerful Models into Products People Actually Use**

Artificial intelligence has advanced rapidly, yet many promising prototypes never become products that people consistently trust, adopt, or integrate into their daily work. The hardest part is often not selecting the most capable model; it is engineering the last mile between model capability and meaningful human outcomes. This session presents a practical, technology-agnostic framework for transforming AI experiments into useful, production-ready products. It examines five essential layers: defining the real user problem, supplying relevant context and data, embedding AI into existing workflows, preserving meaningful human control, and creating measurable feedback loops for continuous improvement. The talk will explore common reasons technically impressive solutions struggle beyond the demonstration stage, including unclear success criteria, fragmented user experiences, weak workflow integration, uncontrolled operating costs, and insufficient mechanisms for learning from real usage. It will also show how product teams can treat reliability, usability, governance, and adoption as connected engineering concerns rather than separate activities added near launch. Drawing on practical experience in AI solution engineering, enterprise platforms, and building AI products, the session will provide examples spanning LLM applications, retrieval-augmented generation, automation, and human-in-the-loop decision support. Practical design questions will include when to automate, when to ask for human judgment, how to define useful evaluation signals, and how to evolve a solution safely after deployment. Attendees will leave with a concise framework for assessing AI product ideas, identifying last-mile risks, and moving responsibly from experimentation toward sustainable real-world adoption. The central message is simple: successful AI products are not defined only by what a model can generate, but by what people can confidently accomplish with the complete system around it.

### **Biography:**

Saurabh Jaiswal is an AI Solution Architect, technology leader, author, and founder of AIMates—an AI ecosystem designed to help people learn, build, connect, and work with artificial intelligence. With more than 15 years of experience, his career spans research at India's Defence Research and Development Organisation (DRDO), technology roles with HP and Bank of America, and leadership experience as an Assistant Vice President at JPMorgan Chase. As an independent consultant, he has delivered assignments for organizations including Amazon, imec, KBC, and ING. His expertise covers applied AI, machine learning, Python, LLMs, RAG, agentic systems, cloud platforms, and production-grade AI architecture. Saurabh is also the author of "AI for Real Work," has delivered more than 50 technical training sessions, and previously spoke at PyCon. Based in Belgium, he focuses on turning emerging AI capabilities into practical products that create measurable value.

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**Mr. Louis Montagne**  
CEO and co-founder, Askem, France

## **Open Source as the Native Language of AI: Creating and Maintaining Software in the Age of Coding Agents**

AI coding assistants are frequently portrayed as a threat to open source: models trained on public repositories, developers replaced by agents, communities drained of contributors. This talk argues the opposite. Open source is not the victim of AI-assisted development, it is the substrate that makes it work. Large language models perform best where knowledge is public, documented and widely discussed. A model deeply “knows” PostgreSQL, Django or Kubernetes; it can only guess at a proprietary internal framework. Choosing open building blocks therefore means choosing the components on which AI is most reliable. This creates a virtuous loop: better documentation leads to better model understanding, which leads to software that is easier to extend, compose and maintain. As code generation becomes cheap, the developer’s value shifts from writing code to architecture: selecting concepts, drawing boundaries, adopting standards. Open source provides a shared vocabulary of patterns, protocols and formats that humans and models both speak. Documentation stops being an afterthought for human readers and becomes the interface through which agents operate on a codebase. The historical weakness of open source, maintenance, is precisely where AI helps most: version upgrades, platform ports, test coverage, issue triage. Drawing on two concrete projects, Dataizen, an open-source territorial data platform built on CKAN, Directus and PostgreSQL, and the porting of AAASeed, a twenty-year-old open-source real-time 2D/3D creative engine, to new platforms, the talk shows what works today and what does not. It closes with the conditions this new loop demands in return: readable projects, open standards, honest licensing, and open-weight models, so that the intelligence layer remains as sovereign and auditable as the software it helps to build.

### **Biography:**

Louis Montagne is the CEO and co-founder of Askem, a Paris-based digital consulting firm working on civic tech, open data and AI for public-interest actors. An engineer from Paris 6 University (AI) with 25 years of experience in technology, design and digital strategy, he has designed and operated open-source territorial data platforms (Dataizen, DataBFC for the Bourgogne-Franche-Comté region) and contributes to the open-source AAASeed real-time creative engine. He leads the AI acceleration practice at Repère Groupe, previously served as CEO of AF83, and has founded several technology companies.

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## Ms. Ivana Nikolik

CGO – Business Development, Data & AI | Founder & CEO, Atos | IN Global Advisory, Netherlands

### The Future of Leadership in an AI-driven World

As AI systems evolve from supportive tools to autonomous, Agentic actors, leaders face a new challenge: how to integrate intelligence without losing humanity. This talk explores the role of AI in leadership through a compelling comparison between human decision-making and artificial agents, brought to life through an interactive sales-scenario game. By comparing outcomes, behaviours, and trade-offs between human and AI agents, we will uncover key insights into trust, accountability, empathy, and performance. The session also touches on emerging developments such as humanoid AI and what they signal for the future of work. Participants will leave with a clearer understanding of Agentic AI, practical use cases across industries, and a framework for building human-centric AI systems that enhance rather than replace- leadership.

### Biography:

Ivana Nikolik is a Board member, CGO - Business Development Data&AI at Atos and Founder & CEO of IN Global Advisory, where she advises organizations and executive leaders on business strategy, AI adoption, digital transformation and sustainable growth. With nearly two decades of international leadership experience, she is passionate about helping businesses scale innovation while bridging technology, leadership and business impact. She has been recognized as a 40Under40 Top Business Leader in Europe, Tech Leader of the Year 2025, and Global Leader of the New Era. A passionate advocate for diversity and female leadership in technology and AI, Ivana also serves as a President of STEM Women in the Netherlands and G:100 Country Chair Netherlands in IT Services & Innovation. As a global Ambassador for Women in Tech and Women in AI, she is dedicated to empowering the next generation of leaders while accelerating innovation through AI, automation and digital transformation. Ivana's strategic acumen and dynamic leadership style have solidified her reputation as a trailblazer in global business development. She is known for building strong C-level relationships, sharing expertise in digital transformation and driving innovation in today's AI-powered business landscape. A frequent keynote speaker and official delegate at international conferences, Ivana inspires organizations to embrace technology as a catalyst for sustainable growth.

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**Dr. Mehdi Mcharek**  
Estaca'Lab, DFCC, France

## From Local Information to Global Intelligence: Mathematics for Multi-Robot Systems

Multi-robot systems are becoming an important foundation for the next generation of intelligent and autonomous technologies. Instead of relying on a single robot to perceive, plan, and act in complex environments, multi-robot systems distribute these capabilities across teams of autonomous agents that must communicate, coordinate, and make decisions collectively. This talk explores the connection between multi-robot systems, artificial intelligence, and foundational mathematics, focusing on how mathematical principles can provide the foundations for intelligent collective behavior. Topics such as optimization, graph theory, probability, dynamical systems, control theory, and game theory offer powerful tools for understanding and designing coordination mechanisms between robots. However, the increasing complexity of modern AI systems requires deeper mathematical structures capable of representing distributed knowledge, managing uncertainty, and supporting the verification of collaborative behaviors. We will explore sheaf theory and its potential applications in multi-robot systems. Originally developed in algebraic topology and geometry, sheaf theory provides a rigorous framework for organizing local information and determining when locally consistent observations can be integrated into a coherent global understanding. This is particularly relevant to teams of robots, where each agent has only partial knowledge of the environment and must cooperate with others to build a shared representation of the world. By combining sheaf-theoretic methods with deep learning, distributed optimization, and control algorithms, we can develop new approaches to information fusion, consensus, task allocation, and collective decision-making. These tools also offer promising directions for analyzing the reliability, robustness, and explainability of AI-enabled robotic systems.

### Biography:

He received the M.S. degree in Robotics from ISAE-SUPMECA in 2015, and the Ph.D. degree in Multidisciplinary Design Optimization from Université Paris-Saclay in 2019. Since then, he has been an Assistant Professor in the Energy and Embedded Systems for Transportation Department at ESTACA'Lab, France. He is currently responsible for the "Autonomous and Connected Systems" program at ESTACA and leads the "Swarm AI" research initiative in collaboration with Expleo. His research interests include multi-robot systems, distributed optimization, simultaneous localization and mapping, and foundation mathematical models. His work focuses on the development of intelligent, distributed, and verifiable robotic systems.

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## Day 2

# Keynote Forum

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**Dr. Arshad Husain**

**The Institute of Professional Studies - TIPS, Pakistan**

## **Human-Centric AI and Robotics for Resilient, Ethical, and Scalable Systems**

The rapid convergence of artificial intelligence (AI) and robotics is reshaping industries, governance, and daily life. This paper presents a human-centric framework for designing, deploying, and scaling AI-driven robotic systems that are not only technically robust but also ethically aligned and socially responsible. We argue that the next phase of innovation must move beyond performance optimization to integrate trust, transparency, and adaptability as core design principles. The study synthesizes recent advances in machine learning, edge computing, and autonomous systems to propose a layered architecture that enhances real-time decision-making while maintaining accountability. Key components include explainable AI modules for traceability, federated learning for privacy-preserving collaboration, and adaptive control systems that allow robots to operate safely in dynamic, unstructured environments. Case studies from healthcare, smart manufacturing, and urban infrastructure demonstrate how such systems can improve efficiency, reduce risk, and augment human capabilities without displacing critical human judgment. A central focus is the governance of AI-robotics ecosystems. We introduce a practical model for embedding ethical constraints directly into system design through policy-aware algorithms and continuous auditing mechanisms. This ensures compliance with emerging global standards while fostering public trust. Additionally, the paper explores the economic and workforce implications, advocating for reskilling frameworks that align human talent with evolving technological roles. The findings highlight that sustainable progress in AI and robotics depends on interdisciplinary collaboration, integrating engineering excellence with ethical foresight and policy alignment. By prioritizing human-centric values alongside technological advancement, organizations can unlock scalable innovation that is resilient, inclusive, and globally relevant. This framework provides actionable insights for researchers, industry leaders, and policymakers aiming to shape the future of intelligent robotic systems.

# 4<sup>th</sup> Tech Summit on **Artificial Intelligence and Robotics**



**September 28-30, 2026 | Paris, France + Virtual**



**Mrs. Jil Ebanoidze**  
**Fin BigTech, The Netherlands**

## **Governing the Intelligent Organization Rethinking Corporate Governance in the Age of AI**

AI is no longer simply a technology that organizations deploy. It is becoming embedded in how organizations operate, allocate resources, manage risk and make consequential decisions. This is creating a new challenge for boards. Traditional governance models were built around human decision-makers, established management structures and relatively clear lines of accountability. Intelligent systems are changing that architecture — making decision-making more distributed, adaptive and, in some cases, less visible to those ultimately accountable for the outcomes. This keynote examines what this means for the boardroom. It explores the implications for accountability, oversight, information, decision-making, risk and board capability, and challenges the assumption that AI governance can be addressed simply by adding another layer of technology oversight. Drawing on emerging evidence from an ongoing global research project with board directors, executives, technology leaders, regulators and academics, the keynote examines where established governance principles remain fundamental — and where governance itself may need to evolve. At the heart of the discussion is a fundamental shift: from governing the people who make decisions to governing the organizational capacity through which decisions are increasingly made. The keynote introduces this emerging perspective and considers what it could mean for the future of corporate governance, board effectiveness and accountability in the intelligent organization.

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**Dr. G. Prasanna Lakshmi**  
Aditya Institute of Technology & Management  
(AITAM), India

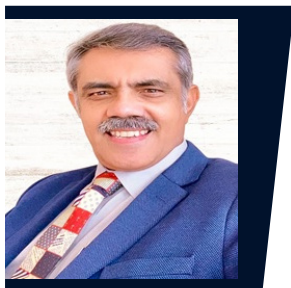
## **Trust-Aware Autonomous Intelligence: A Convergent AI-Robotics Framework for Adaptive, Ethical, and Human-Centric Future Systems**

The boundaries of the Intelligent Systems are redefined by the rapid convergence of Artificial Intelligence (AI) and Robotics. The proposal describes about a novel Interdisciplinary framework for Trust-Aware Autonomous Intelligence (TAAI) systems to be designed to address significant challenges in safety, transparency, and human-centric deployment of next-generation robotic ecosystems. To create resilient, context-aware robotic systems which are capable of operating in dynamic real-world environments, the proposed model integrates explainable AI, edge-cloud collaborative intelligence, and decentralized trust mechanisms. Some of the experimental simulations exhibits TAAI embeds trust as a core design principle, leveraging hybrid architectures that combine deep learning, reinforcement learning, and block-chain -inspired validation layers, unlike conventional approaches that prioritize performance metrics in isolation. The evaluation of the framework takes place across multiple interdisciplinary scenarios, including smart healthcare assistance, autonomous mobility, and intelligent infrastructure monitoring. Enhanced decision reliability ( $\uparrow 18\%$ ), reduced latency through edge optimization ( $\downarrow 27\%$ ), and improved trust interpretability via explainable modules. One important contribution is the integration of robotic cognition with ethical AI principles, which allows systems to make context-sensitive decisions while upholding user confidence and accountability. Additionally, the framework facilitates seamless integration across heterogeneous platforms and domains by supporting scalable deployment through modular interoperability. Additionally, a multilayer trust index model based on behavioral consistency, data integrity, and user feedback loops is introduced in the study to measure system reliability. The requisition of enabling To make context-sensitive decisions This work emphasizes both technological advancement and societal alignment, positioning TAAI as a transformative paradigm for future AI-robotics ecosystems. The suggested strategy helps create intelligent systems that are transparent, moral, and human-aligned in addition to being effective and adaptable by bridging the gap between autonomy and trust. For researchers, business professionals, and legislators influencing the direction of multidisciplinary intelligent systems in the future, the results have important ramifications.

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September 28-30, 2026 | Paris, France + Virtual



**Mr. Raj Kapoor**

**Founder, India Blockchain Alliance, UAE**

## **How Tokenisation and AI Are Rewiring the Foundations of Global Capitalism**

Tokenisation and artificial intelligence are converging to reshape the foundations of capitalism itself. At its core, tokenisation converts real-world and digital assets, real estate, commodities, intellectual property, even future earnings, into programmable units of value on distributed ledgers. AI, on the other hand, introduces intelligence, autonomy, and decision-making at scale. When these two forces intersect, markets begin to evolve from static systems of exchange into dynamic, self-executing ecosystems. In this emerging paradigm, capital is no longer passive. Tokenised assets can be fractionalised, traded 24/7, and embedded with rules that govern ownership, compliance, and revenue distribution. Layer AI on top, and these assets can actively optimise themselves—adjusting pricing, reallocating portfolios, managing risk, and even initiating transactions without human intervention. The result is a shift from traditional capitalism, driven by institutions and intermediaries, to “programmable capitalism,” where value flows are automated, transparent, and borderless. This transformation has profound implications. Markets become more inclusive through fractional access, yet more complex as algorithmic agents participate alongside humans. Governance moves from legal frameworks to code-based enforcement. Decision-making accelerates, raising new questions around accountability, ethics, and control. Programmable capitalism is not a distant concept—it is already taking shape in decentralised finance, tokenised real-world assets, and AI-driven trading systems. The critical question is no longer whether this convergence will redefine markets, but how leaders, regulators, and investors will adapt to a world where capital doesn’t just move—it thinks, acts, and evolves.

### **Biography:**

Raj is a globally recognized leader in emerging technologies, Founder of the India Blockchain Alliance and Chairman of the Global Alliance for Artificial Intelligence and Innovation. He advises 90+ blockchain, AI, and Web3 firms, including Tata Elxsi, Payomatix, and Ztudium. A Certified Bitcoin Professional and Blockchain Architect, he drives standards as Protem Chairman of OBTU. As Chief Board Advisor at Nappbooks, he leads India’s largest blockchain e-notary rollout. A former unicorn CSO, Raj is a four-time TEDx speaker, has addressed 150+ forums, contributes to top media, and has received multiple global awards for innovation, leadership, and impact.

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**September 28-30, 2026 | Paris, France + Virtual**



**Dr. Nadeem Qazi**

**University of East London, United Kingdom**

## **Agentic AI for Cybersecurity: Autonomous Defence in a Dynamic Threat**

Step into the future of cybersecurity where systems don't just detect threats, they think, decide, and act. This keynote explores how Agentic AI is transforming traditional, flow-based raw data approaches into intelligent, service-oriented architectures, leveraging graph-based features to uncover complex attack patterns. Discover how autonomous agents can anticipate threats, coordinate responses in real time, and turn fragmented data into actionable intelligence, empowering organisations to stay ahead of evolving cyber risks while building resilient, trust driven security ecosystems.

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**Dr. Robin Chhabra**  
University of Toronto, Canada

## **Learning to Plan in Orbit: The Next Frontier of Safe Space Manipulation for OOS Missions**

The future of robotics involves collaborative networks of diverse robots across industries like manufacturing, agriculture, and space exploration. Robots will rely on self-perception, environmental data, and team collaboration to perform tasks such as sensing, manipulation, and formation. Key to their autonomy is advanced Guidance, Navigation, and Control (GNC) technologies that ensure adaptability, efficiency, and fault resilience. This presentation addresses challenges in modeling, perception, planning, and control, proposing solutions inspired by neuroscience, AI, and geometric mechanics. Applications include rugged terrain navigation, aerial and orbital manipulation, and damage-tolerant robotics, emphasizing fault-tolerance, adaptive control for enhancing individual and team performance.

### **Biography:**

Robin Chhabra, PhD, PEng (SMIEEE, MAIAA) is an Assistant Professor in the Department of Mechanical, Industrial, and Mechatronics Engineering at Toronto Metropolitan University and Director of the ELIXIR Lab. He previously served as a Tier-II Canada Research Chair in Autonomous Space Robotics and Mechatronics at Carleton University. Dr. Chhabra earned his M.A.Sc. (2008) and Ph.D. (2013) from the University of Toronto. Before joining academia, he conducted applied research on space system dynamics and control at MDA Space. His research focuses on embodied artificial intelligence, geometric mechanics, and nonlinear control to develop advanced methodologies for the intelligence and autonomy of robotic systems.

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**Dr. Vera Kovaleva**

**RAI Robotics Advanced Intelligence, The Netherlands**

## **Humanoids Who Understand: The Next Frontier in Robotic Intelligence**

Today's humanoid robots can recognise objects, follow instructions, generate language and perform increasingly complex physical tasks. Yet impressive performance should not be confused with genuine understanding. Most current systems remain dependent on statistical models that predict likely outputs without maintaining a coherent model of themselves, their environment or the consequences of their actions. For humanoid robots operating in the physical world, this limitation is fundamental. A robot must do more than produce a plausible response: it must understand where it is, what is happening, what it is capable of doing and how its actions may affect people and the surrounding environment. This presentation explores the cognitive capabilities required to move from reactive, task specific machines toward humanoids that demonstrate practical understanding. These capabilities include persistent memory, world models, self-representation, causal reasoning, embodied learning, goal management and the ability to distinguish between knowledge, uncertainty and assumption. The session will examine why large language models, while valuable for communication and knowledge access, cannot serve as the complete intelligence architecture of an autonomous robot. It will outline how language models can be integrated into a broader cognitive system in which perception, memory, reasoning, action and continuous learning operate as interconnected components. The next frontier in robotics is not simply making humanoids move more naturally or speak more fluently. It is building machines that can interpret situations, learn from experience, explain their decisions and act safely within the complexity of the real world.

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## Day 2

# Plenary Sessions

## Plenary Sessions

**Title: Optimizing MuleSoft for Scalability and Sustainability**

Mr. Venkata Pavan Kumar Gummadi, Broadridge Financials, United States of America

**Title: Driving Transformation with AI**

Mr. Mark Mosley, ServiceNow, United States of America

**Title: Building Trustworthy AI Systems from Data Engineering to Production Reliability**

Mr. Ranjit Kumar Reddy Ponugoti, University of Madras, United States of America

**Title: Building Enterprise-Ready AI Governance Frameworks for Trustworthy, Secure, and Responsible AI Adoption**

Ms. Sameena Begam Savukath Ali, Liberty Mutual, United States of America

**Title: From Observability to Autonomy: Building Agentic AI Systems on Streaming Data Platforms**

Mr. Hari Krishna Pokala, St.Joseph's College of Engineering, United States of America

**Title: Agent Contract Data Modeling: A New Methodology for the Agentic AI Era**

Mr. Ravi Kiran Pagidi, Independent Researcher, United States of America

**Title: AI-Driven Digital Transformation in Customer Experience: From Campaign Automation to Adaptive Journeys**

Mr. Devyendar Maganti, Prudential Financial, United States of America

**Title: Design aspects of energy efficient deep learning pipeline models to create light weight LLMs**

Dr. Edara Sreenivasa Reddy, VIT-AP, India

**Title: Building Trustworthy AI Systems from Data Engineering to Production Reliability**

Mr. Ravi Teja Reddy Mandala, Oracle America Inc, United States of America

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## **Driving Transformation with AI**

**Mr. Mark Mosley**

ServiceNow, United States of America

AI can transform how work gets done, but success is rarely about technology alone. Real impact happens when AI is embedded into workflows, aligned with business priorities, and trusted by the teams who rely on it daily. This session explores practical strategies to turn AI from a tool into a driver of meaningful change. Attendees will learn how to optimize processes, improve decision-making with data, and embed AI adoption into everyday work. Technical or non-technical professionals will leave with actionable strategies to scale AI and deliver measurable business outcomes across their organization.

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## Multi-Agent Systems for Enterprise Financial Applications

**Mr. Ranjit Kumar Reddy Ponugoti**  
Seattle, USA

The rapid evolution of Artificial Intelligence (AI) is transforming enterprise financial operations by introducing intelligent digital assistants capable of supporting finance professionals in their daily activities. Traditional finance functions such as transaction analysis, reconciliations, compliance monitoring, forecasting, and month-end close processes often require significant manual effort, resulting in increased operational costs and delayed decision-making. This presentation explores the concept of Multi-Agent Systems for Enterprise Financial Operations, where specialized AI agents collaborate similarly to a modern finance team. These digital assistants can analyze large volumes of financial data, identify anomalies, generate recommendations, automate routine tasks, and support business users with real-time insights. Through practical examples, including expense analysis, month-end close acceleration, and financial compliance monitoring, the session demonstrates how AI agents can improve efficiency, accuracy, and organizational agility. A key focus of the presentation is the human-centered approach to AI adoption. Rather than replacing finance professionals, AI agents augment human capabilities by handling repetitive and data-intensive activities, allowing finance teams to concentrate on strategic planning, business problem-solving, and value creation. The presentation also highlights the future vision of finance organizations where humans and AI work together as collaborative partners, combining human judgment, creativity, and leadership with AI-driven speed, scalability, and analytical power. Attendees will gain a practical understanding of AI agents, their role in enterprise finance, the benefits they provide to organizations, and how businesses can prepare for the next generation of intelligent financial operations.

### Biography:

Ranjit Kumar Reddy Ponugoti is a Enterprise Applications Architect and Digital Transformation professional with nearly two decades of experience in Oracle technologies and enterprise financial systems. He specializes in Oracle E-Business Suite, Oracle Fusion Cloud, Enterprise Performance Management (EPM), BlackLine integrations, Alteryx workflows, and AI-driven financial automation solutions. Throughout his career, he has successfully led and delivered multiple large-scale implementation, migration, and integration projects across finance, supply chain, and manufacturing domains for global organizations. His expertise spans Oracle Financials, General Ledger, Procure-to-Pay processes, data integrations, reporting, and cloud-based enterprise architectures.

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## Building Enterprise-Ready AI Governance Frameworks for Trustworthy, Secure, and Responsible AI Adoption

**Ms. Sameena Begam Savukath Ali**

Liberty Mutual, United States

Artificial Intelligence is rapidly transforming industries, enabling organizations to automate processes, enhance decision-making, and create innovative customer experiences. However, the increasing adoption of AI systems has introduced significant challenges related to governance, accountability, transparency, security, privacy, and regulatory compliance. Organizations often struggle to balance innovation with risk management while ensuring that AI systems remain trustworthy and aligned with business objectives. This presentation explores practical AI governance frameworks that enable enterprises to deploy AI responsibly at scale. The session examines the foundational pillars of AI governance, including ethical AI principles, risk management, model lifecycle governance, data governance, compliance controls, human oversight, and continuous monitoring. Drawing from real-world enterprise experiences in regulated industries such as finance, insurance, and healthcare, the presentation highlights common governance challenges and proven strategies for addressing them.

Attendees will gain insights into globally recognized governance frameworks, including the National Institute of Standards and Technology AI Risk Management Framework, ISO AI governance standards, and emerging regulatory expectations shaping enterprise AI adoption. The session also discusses governance mechanisms for generative AI, large language models, AI security controls, bias mitigation, explainability, and accountability. The presentation concludes with a practical roadmap that organizations can use to establish scalable AI governance programs, implement effective governance controls, and foster trust among stakeholders. Participants will leave with actionable guidance for building responsible AI ecosystems that support innovation while ensuring compliance, security, and ethical operation in increasingly complex enterprise environments.

### Biography:

I am a Principal Software Engineer and Technical Leader with over 15 years of experience designing and delivering enterprise-scale software solutions across the insurance, banking, aerospace, and healthcare industries. Throughout my career, I have led large-scale modernization initiatives, implemented cloud-native architectures, built scalable microservices platforms, and driven DevOps and platform engineering transformations. I am an active IEEE Senior Member, conference speaker, technical reviewer, and advisory committee member for several international conferences. My professional interests include AI governance, trustworthy AI, enterprise architecture, software modernization, AIOps, and secure AI adoption in regulated environments. I am passionate about helping organizations balance innovation with governance, security, and compliance while delivering measurable business value. In addition to my technical leadership responsibilities, I enjoy mentoring engineers, contributing to the research community, and sharing practical industry insights through speaking engagements and technical publications.

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## From Observability to Autonomy: Building Agentic AI Systems on Streaming Data Platforms

**Mr. Hari Krishna Pokala**

Technology Researcher | Cloud, Kubernetes, Agentic AI, United States of America

Majority of enterprise AI systems we build today are passive: they generate insights and predictions which are then fed to downstream consumers for manual interpretation and/or intervention. This paradigm does not scale well for mission-critical, time-sensitive applications such as processing healthcare claims, in financial systems, and at scale on modern data platforms. Agentic AI takes a different approach to building intelligent systems. Instead of generating passive insights, agencies perceive the state of a system, reason over data streams, and act—all at machine speed. In this talk, we will discuss principles and patterns for designing and operating production-ready agentic AI systems, enabled by streaming and cloud-native architectures. We will look at two examples from production systems we've built: an observability platform enhanced with AI capabilities that ingests and analyzes millions of healthcare claim records per day, and a drift-aware streaming machine learning system that autonomously reacts to drift at scale in production. Using these examples, we will show how agencies can continuously observe, analyze, and act on abnormalities at machine speed. We will dive into some of the architecture used (Apache Flink, Kafka, Kubernetes (EKS)) as well as models that can encode actionable decision logic into your streaming applications. Topics discussed include how agencies maintain and reason about state, define policy for decision making, close feedback loops, and take actions—such as automatically retraining models, scaling resources up or down, and auto-tuning pipelines based on current conditions. We will also cover some of the critical reliability, governance, and trust questions that we need to address before agentic systems can operate autonomously at scale, especially in sensitive industries such as healthcare. By the end of this talk, you will have a practical guide to starting your journey from observability to autonomous systems — and know how to build autonomy into your streaming platform.

### Biography:

I am an IT Consultant and industry expert working at the intersection of cloud infrastructure, data engineering, and AI/ML. I specialize in designing and building production-grade streaming systems using technologies such as Apache Flink, Kafka, and Kubernetes on cloud platforms, with a strong focus on applying AI and machine learning to real-world enterprise and healthcare data challenges. My work spans advanced areas including autonomous resource management, drift-aware stream learning, and AI-powered observability for large-scale data pipelines. I have led the development of end-to-end, event-driven architecture that enables real-time decision-making and operational intelligence in complex enterprise environments. As an active researcher and IEEE conference author, I have contributed to topics such as secure CI/CD pipelines, agentic AI architectures, and autonomous data platforms. I am passionate about bridging the gap between cutting-edge AI research and scalable, production-ready systems, helping organizations translate innovation into measurable impact.

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## **Modern Big Data Applications with Azure: Powering AI, GenAI, and Real-Time Intelligence**

**Mr. Ravi Kiran Pagidi**

Independent Researcher, United States of America

Modern companies are producing huge amounts of structured, semi-structured, and real-time data. However, many still have difficulty turning that data into reliable AI-driven results. This session looks at how to design big data applications on Microsoft Azure to support AI, Generative AI, and real-time intelligence on a large scale. The talk will discuss how Azure-based data platforms can take you from data ingestion and processing to analytics, machine learning, GenAI applications, and smart decision-making. It will point out important design patterns like cloud-native Lakehouse setups, real-time streaming pipelines, scalable data processing, semantic layers, governance, and high-quality data bases for AI tasks. The session will also cover real challenges organizations deal with, such as data quality, latency, security, access control, cost savings, model readiness, and responsible AI governance. Attendees will learn how to use Azure not just as a data storage or processing tool but as a smart ecosystem for creating dependable, scalable, and business-ready AI applications. By the end of the session, participants will know how to design modern big data solutions that provide real-time insights, support GenAI use cases, and build trusted foundations for enterprise AI transformation.

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## AI-Driven Digital Transformation in Customer Experience: From Campaign Automation to Adaptive Journeys

### Mr. Devyendar Maganti

Prudential Financial, United States of America

Artificial intelligence is reshaping digital transformation in the context of customer experience. For many organizations, marketing technology has traditionally focused on operational efficiency: campaign automation, workflow management, audience selection, content production, and channel execution. While these capabilities remain important, AI expands the role of marketing operations from executing predefined campaigns to enabling adaptive, insight-driven customer engagement. This session presents a practical model for AI-enabled customer experience transformation built around four capabilities: sense, decide, create, and learn. “Sense” refers to using AI to interpret customer behavior, engagement signals, journey patterns, and audience needs. “Decide” focuses on recommending the next best action, journey path, or communication approach based on available context and business goals. “Create” covers AI-assisted message generation and channel-specific content adaptation across email, web, mobile, chat, and service interactions. “Learn” closes the loop by using performance feedback, experimentation, and human review to improve future engagement. The talk also addresses the governance needs that become more important as AI becomes part of customer communication, including brand consistency, privacy, responsible personalization, and human oversight. Rather than treating AI as only a chatbot or content generation tool, this session frames AI as an operating capability for digital transformation in customer experience. Attendees will leave with a clear understanding of how organizations can evolve from process automation to adaptive customer journeys that improve engagement, retention, and business growth.

### Biography:

Devyendar Maganti is an enterprise technology architect and researcher-practitioner with more than two decades of experience in software engineering, enterprise architecture, data platforms, digital analytics, artificial intelligence, customer experience technology, and digital transformation. He currently works at Prudential Financial and previously served at Adobe as a Senior Solutions Architect and Solutions Consultant, contributing to enterprise customer experience, analytics, and digital transformation initiatives. His expertise includes generative AI, responsible AI, customer data platforms, cloud and data architecture, analytics, data integration, governance, privacy, and digital experience technologies. His current research and speaking interests focus on AI-driven customer experience transformation, adaptive customer journeys, trustworthy AI systems, decision intelligence, customer intelligence, data governance, and privacy-preserving architectures.

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## Design aspects of energy efficient deep learning pipeline models to create light weight LLMs

**Dr. Edara Sreenivasa Reddy**

VIT-AP, India

The increasing scale and complexity of modern deep learning models have led to a substantial rise in computational cost and energy consumption during training and deployment, raising concerns about the environmental sustainability of artificial intelligence systems. This tutorial is aimed to explain design aspects of unified energy-aware optimization framework design to improve the energy efficiency of modern vision architectures, including EfficientNetV2, ConvNeXtV2, and MobileViTV3, without sacrificing predictive performance. The framework integrates multiple complementary techniques within a structured training and deployment pipeline, including zero-overhead dataset initialization to reduce I/O energy consumption, Progressive layer unfreezing to control computational complexity during fine-tuning, Automated mixed-precision training for efficient numerical operations, Gradient accumulation for improved hardware utilization, and Sparsity-inducing regularization to eliminate redundant parameters are also taken into account in designing the framework. An energy-centric monitoring module is used to evaluate epoch-level power consumption and accuracy improvement to guide energy aware training decisions. For effective implementation, the framework integrates structured pruning based on a saliency-to-energy ratio, INT8 post-training quantization for low-precision inference, and dynamic depth routing that selectively skips deeper layers for simpler inputs. The results demonstrate that the optimized models steadily exceed baseline models. The optimized ConvNeXtV2 improves accuracy from 99.05% to 99.40%, while EfficientNetV2 and MobileViTV3 exhibits similar gains. The proposed framework reduces training energy by up to 61% and substantially reduce carbon emissions, facilitate more sustainable deep learning without compromising accuracy. Deep learning models deliver state-of-the-art performance but impose substantial computational and environmental costs at inference time. The framework for is evaluated on the CIFAR-10 benchmark. We train four architectures—ResNet18, VGG16, MobileNetV3-Large, and EfficientNetV2, with ResNet18 and VGG16 exceeding the reference results of Kamolov by +75.48 and +71.73 percentage points. Four pruning strategies: magnitude pruning, structured filter pruning, gradient sensitivity pruning, and novel Hybrid Gradient-Sensitivity Structured Pruning will be explained. The hybrid strategy combines gradient-sensitivity scoring—which ranks convolutional filters by their impact on the loss landscape rather than raw weight magnitude—with structured filter removal for real hardware compression. Across twenty experimental conditions on four models, the Hybrid strategy outperforms standard structured pruning in 12 out of 20 cases (60%), with a maximum accuracy gain of +12.68 percentage points at 80% sparsity on VGG16. All energy measurements are performed on consistently fine-tuned models loaded from deterministic checkpoints, eliminating stochastic variance between experiments.

### Table of Contents:

**Introduction:** DEEP learning is a fundamental area in the development of modern artificial intelligence, leading to appreciable improvements in system performance. This results the AI-based solutions are efficiently utilized in various domains such as visual data analysis, language processing tasks, healthcare decision-making, and autonomous system development. The modern neural network architectures have presented high levels of accuracy, initially due to deeper structures, larger parameter sizes, and increased computational demands. However, this expansion of the model lead to higher requirements of computational resources, along with increased energy usage during both the training phase and real-time inference. Therefore, the increasing computational demands of widespread AI systems have been growing interest to their environmental footprint and long-term sustainability, as highlighted in recent studies . The deep neural networks are trained usually depends on powerful computing setups, systems such as advanced hardware arrangements like GPU, TPU and large datacentre facilities. These two arrangements are demand considerable amounts of electrical energy. The Earlier

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research shows the carbon emissions generated during the training of large-scale machine learning models can approach levels comparable to the lifetime emissions of several automobiles. As a result, these challenges, the idea of Green AI has increased popularity in research that focus to enhance energy efficiency and minimize the carbon emissions for artificial intelligence systems, without compromising their performance. Therefore, achieving sustainability in deep learning requires careful consideration of energy-aware model design, optimized training processes, and deployment strategies that align with hardware capabilities

**ENERGY CONSUMPTION IN DEEP LEARNING:** A Recent Investigations have shown the energy requirements of deep learning models along with their environmental indications. The development of artificial neural networks and training data for them is in line with increasing computational needs, which in turn leads to an increase in energy consumption and consequently CO2 production. The need for longer training times for deep learning experiments on GPU clusters is another factor that adds to increasing energy consumption. In response to these issues, Green AI has come into being as an area of research, where energy efficiency, sustainability, and lower computing costs are given importance while keeping the prediction accuracy in mind. Previous research has revealed that training extensive neural networks results in considerable CO2 production, which is essentially because of computing infrastructure energy requirements.

**MODEL COMPRESSION TECHNIQUES FOR ENERGY EFFICIENCY:** Model compression has emerged as a major driver of increasing the energy efficiency of deep learning approaches. The objectives are well-defined: compress the model size and trim down the computation without compromising too much on the predictive capabilities of the model. The most popular approaches to ompressing the model are pruning, quantization, and knowledge distillation. Pruning involves removing unnecessary parameters and connections in the neural network, thereby reducing the computation and memory size of the model. Recent studies have revealed that many large networks possess a significant amount of parameter redundancy, thereby allowing the compressed version of the model with a minimal loss in accuracy. Quantization involves reducing the number of bits used to represent the weights and the outputs of the neurons in the network, thereby reducing the memory size and computation. Recent studies have also revealed that a combination of pruning and quantization produces promising results in compressing the network. There exist hardware-aware optimization approaches that allow the compression of the network in a manner that minimizes the energy consumption of the different layers in the network.

**ENERGY-EFFICIENT TRAINING TECHNIQUES:** This research also investigates the number of ways to improve the training efficiency. The training process of deep neural networks requires repeated forward and backward passes for substantial portion of the overall computational cost. In this work the sparse training methods are introduced to control redundant gradient calculations during backpropagation, which helps improve overall computational efficiency. Another important method is mixed precision training, where reduced-precision formats such as FP16 are employed while ensuring numerical stability. There are some of additional methods such as gradient accumulation, optimized data loading pipelines, and hardware efficient computation have been explored to enhance resource utilization during training.

**CARBON-AWARE MACHINE LEARNING AND ENERGY MONITORING:** The above studies have addressed various machine learning strategies for carbon awareness, which aim to reduce the impact on the environment by regulating the machine learning workloads in proportion to the carbon footprint of the electricity consumed. Various machine learning strategies have also enabled the scheduling of the AI workloads in the region where the carbon footprint is less. In addition, various frameworks have also been implemented to track the analysis of the energy consumed in machine learning workloads. The use of energy tracking tools has enabled the analysis of the relationship between the efficiency of machine learning models and the environment. A significant portion of the existing frameworks has been implemented to track the analysis of the energy consumed, whereas little emphasis has been placed on the optimization of the processes to reduce the energy

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consumed.

**GRADIENT-BASED PRUNING:** Molchanov et al. proposed using the first-order Taylor expansion of the loss function as a filter importance criterion, establishing the theoretical foundation for gradient sensitivity scoring. Their method approximates the change in loss when a filter is removed. Our gradient-sensitivity score  $|w| \times |\nabla_w L|$  is a computationally efficient approximation of this principle. The novelty lies in applying this scoring at the filter level for structured removal, a combination that, to the best of knowledge.

**EFFICIENT ARCHITECTURES AND PRUNING:** MobileNetV3 and EfficientNetV2 represent modern architectures optimised for mobile and edge deployment through depthwise separable convolutions and compound scaling, respectively. Their already-compact design presents a fundamentally different pruning challenge compared to over-parameterised models such as VGG16: fewer redundant weights mean that aggressive structured pruning risks removing genuinely important filters, making the quality of the filter ranking criterion even more critical.

**WORK DONE:** The framework is developed to minimize energy usage in deep learning systems across both training and inference phases. The framework integrates a few optimization techniques, including efficient data initialization, staged fine-tuning, sparsity-driven regularization, mixed-precision computation, and deployment techniques aligned with hardware characteristics. The proposed approach is organized into three phases. The phase-I will explain zero overhead initialization (energy-efficient initialization), phase-II will explain energy-aware training, and Phase-III explains deployment optimized for hardware efficiency. Global unstructured L1 magnitude pruning removes individual weights with the smallest absolute values across all Conv2d and Linear layers simultaneously. At sparsity  $s$ , the threshold  $\tau$  is set at the  $s$ -th percentile of all weight absolute values, and all weights satisfying  $|w_i| < \tau$  are set to zero using PyTorch's `rune.global_unstructured` API. This method is simple and effective for accuracy retention; however, it does not provide real hardware compression. The weight tensor shape remains unchanged and PyTorch still computes full matrix multiplications over zero-valued entries, yielding no meaningful inference speedup.

## Biography:

Prof. Edara Sreenivasa Reddy is currently working as Professor-HAG in School of Computer Science, VIT-AP. He has 34 years of vast experience at various levels like Assistant, Associate, Professor and Senior Professor (HAG). He also served all academic positions like Principal, Dean-Academics, Dean-Engineering Faculty, Vice chancellor etc. He has 18 years of research experience and published more than 125 Scopus journal papers and obtained 12 patents. He has written 12 books on various engineering subjects and published 12 chapters in various research books. Under his guidance 46 scholars obtained PhD degrees and 2 MPhil degrees. His areas of Interest are Artificial Intelligence, Machine Learning, Deep Learning, Generative AI etc. He obtained many certificates from reputed organizations like CISCO, Qualcomm, IBM, NVIDIA etc., in the above areas. He is NVIDIA University Ambassador for Deep Learning and NVIDIA certified coach for Generative AI and LLMs. He has also earned IBM excellent certificate in Quantum computing. He was awarded as best Computer Science teacher by ISTE. He is Fellow of Computer Science Research Council (FCSRC), USA and Honorary, Fellow of Academy of Science, technology and communications. He is senior member of IEEE, ISTE.

# 4<sup>th</sup> Tech Summit on Artificial Intelligence and Robotics



September 28-30, 2026 | Paris, France + Virtual

## Building Trustworthy AI Systems from Data Engineering to Production Reliability

**Mr. Ravi Teja Reddy Mandala**

Oracle America Inc, United States of America

As artificial intelligence systems move from research prototypes to enterprise-scale production, trustworthiness becomes a critical requirement for adoption, compliance, and long-term business value. Trustworthy AI is not only about building accurate models. It requires strong engineering foundations across data quality, governance, security, observability, reliability, and responsible deployment. This talk will explore how organizations can build AI systems that are reliable, transparent, scalable, and safe for real-world use. The session will begin with data engineering practices such as data validation, lineage, quality checks, bias awareness, and governance. It will then connect these foundations to production reliability practices including model monitoring, drift detection, incident response, auditability, rollback strategies, and continuous improvement. The discussion will also highlight how MLOps, Site Reliability Engineering principles, automation, cloud platforms, and observability tools can help teams move beyond AI demos and create dependable production systems. Special focus will be given to operational risks that appear after deployment, including silent model degradation, data pipeline failures, security exposure, limited explainability, and unclear ownership models. These issues often determine whether an AI initiative succeeds in production or remains only proof of concept. Attendees will gain a practical understanding of how trustworthy AI can be designed and operated across enterprise environments. The talk is especially relevant for engineers, architects, researchers, technology leaders, and students who want to understand how AI systems can be made production-ready, secure, responsible, and resilient. The session will provide a practical framework for aligning AI innovation with reliability, governance, and measurable business outcomes at scale globally.

### Biography:

Ravi Teja Reddy Mandala is a Senior Site Reliability Engineer at Oracle America Inc. and an IEEE Senior Member with experience in cloud infrastructure, production reliability, automation, AI systems, and large-scale enterprise platforms. He has contributed to mission-critical cloud environments through reliability engineering, deployment automation, observability, and secure operations. Ravi is actively involved in the global technical community through IEEE conferences, peer review activities, advisory roles, technical committees, and professional speaking engagements. His interests include trustworthy AI, cloud engineering, MLOps, responsible AI, secure infrastructure, and building scalable, resilient production systems that support enterprise innovation and operational excellence for the technology community worldwide. Organization/University/Hospital/Clinic Logo: Please do not use the Oracle logo, as this talk is not sponsored by Oracle America Inc. Oracle America Inc. may be mentioned under the speaker's name only as the presenter's current employer/affiliation.

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## Day 3

# Keynote Forum

# 4<sup>th</sup> Tech Summit on Artificial Intelligence and Robotics



September 28-30, 2026 | Paris, France + Virtual



**Ms. Ioana Marchis-Rusu**  
Accenture Romania, Romania

## **Beyond the Model: How Collaborative AI Communities Drive Real-World Innovation and Adoption**

Enterprise AI programs rarely fail because the model underperforms. They fail in the gap between a working proof-of-concept and daily use by thousands of people — a gap that procurement, platform selection and training budgets do not close on their own. This talk argues that the decisive variable in enterprise AI adoption is social infrastructure: the communities of practice that carry capability across organizational boundaries faster than any top-down rollout. It draws on eight years building that infrastructure inside a 30,000-person global organization, where a cross-brand AI community grew from zero to more than 3,300 members — over 10% of the workforce — and became the mechanism through which innovative approaches, best practices, tooling and governance standards actually spread. The session traces the operating model behind that growth: how an AI maturity assessment established a shared baseline across divisions; how enablement — internal AI conferences and literacy sessions, hands-on workshops, cutting-edge AI presentations, and a company-wide hackathon — converted curiosity into practice; and how responsible AI principles, co-authored with the community rather than imposed on it, were adopted as a group-wide standard. It also examines what made participation durable rather than seasonal: an open contribution model where members brought their own use cases, a predictable cadence of sessions, and recognition for those who shared work rather than only consumed it. Attendees will leave with a practical framework for designing and scaling an internal AI community — structure, cadence, activities, contribution models, and the adoption indicators worth tracking — applicable whether they are starting from a single team or coordinating across brands and geographies. The model is the easy part; the community is what makes it real.

### **Biography:**

Ioana Marchis-Rusu works in AI business development at Accenture, helping enterprise clients adopt AI at scale. Previously, at a 30,000-person organization, she founded and scaled an AI community from zero to 3,300+ members — over 10% of the workforce and the company's largest technical community — and designed the AI enablement program for its largest tech hub. She built the group's first AI maturity assessment and, as Responsible AI Champion, co-authored its first AI Ethics Guidelines and Principles, adopted group wide. She has briefed Board and C-suite audiences, brings 17+ years in technology including 12 in software engineering, and has spoken at the Generative AI Summit and IT Days.

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**Prof. Miles Berry**

**University of Roehampton, United Kingdom**

## **Vibe Coding and its applications to structured feedback for trainee teachers**

Commentators have predicted, at various points, both the democratisation and the disappearance of programming as a skill. This talk takes “vibe coding”, building software through conversational, AI-mediated development rather than line-by-line authorship, as a live case rather than a hypothesis, using a tool built for teacher education as the worked example throughout. The tool in question transcribes recordings of trainee teachers’ lessons and generates structured feedback against the Initial Teacher Training and Early Career Framework, grounded in a curated knowledge base and Rosenshine’s Principles. Building it surfaced a series of concrete engineering decisions that vibe coding does not remove but reshapes choices around audio encoding and file-size limits, noise filtering for classroom recordings, handling long-running transcription without timeouts, redaction and accuracy checks at the human review stage, prompt caching against the cost of a large knowledge base, and quirks in extracting text from school lesson-plan templates. Rather than treating these as implementation trivia, the talk uses them to interrogate what vibe-coding changes and what it leaves untouched: judgement, architecture, and domain knowledge remain load bearing even when an AI assistant is doing the typing. The discussion draws on recent research on AI-assisted pair programming and its effects on learners’ motivation and confidence and closes with implications for how programming is taught and assessed if the bottleneck shifts from syntax to specification and evaluation. The talk is aimed at researchers in AI and robotics with an interest in software engineering practice, computing education, or the practical realities of building AI-powered tools for professional, high-stakes domains such as teacher training.

### **Biography:**

Miles is Professor of Computing Education at the University of Roehampton, where he runs the secondary PGCE in computing course, teaches on the University’s digital media and social science research methods degrees, and supervises PhD students. Prior to joining Roehampton, he spent 18 years in four schools, much of the time as an ICT coordinator and most recently as a head teacher. He has worked with Cambridge University Press and Assessment on a number of curriculum and training development projects. Miles serves on the University’s AI development and innovation group and acts as one of the University’s disciplinary officers. He gave evidence to the House of Lords AI select committee, was an expert advisor to the US-based AI4K12 project. He supported Georgian universities in developing academic integrity policies.

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**Mrs. Irina Karagyaour**  
CEO of BQ9 Agency, United Arab Emirates

## AI-Led Personalization: The Rise of Intelligent AI Agents

In the past, personalization mostly meant recommending content based on prior behavior, such as clicks, searches, or purchases. Today, advances in AI are enabling systems that better understand context, adapt to user behavior, and increasingly assist individuals in pursuing their goals. This evolution is also giving rise to AI agents that can act more proactively on users' behalf. Today's AI agents operate with greater autonomy, becoming active collaborators that support decision-making, productivity, and creativity. With persistent memory and contextual awareness, they learn from interactions and develop a deeper understanding of user preferences, workflows, and goals. This enables continuous personalization, as digital systems adapt dynamically to individuals rather than forcing users to adapt to technology. Animoca Minds is a strong case study because it can continuously monitor, interpret, and act in line with a user's goals and preferences. Its use cases range from family administration and creative support to strategic coordination and project follow-through. It also integrates with widely used tools such as Telegram, Discord, Slack, Gmail, Google Calendar, GitHub, Perplexity, and Spotify. In general, AI agents differ from traditional chat assistants because they operate persistently rather than only responding when prompted. They can draft emails, manage schedules, summarize communications, monitor large volumes of information, and connect with productivity and messaging tools. By automating routine tasks and surfacing useful insights, they are becoming proactive digital collaborators that help people work more efficiently and make better decisions.

## Biography:

Irina Karagyaour is a visionary leader in Blockchain and AI, combining extensive expertise in business development and strategic partnerships with a solid track record in ecosystem enablement, emerging technology adoption, and decentralized governance. As Co-founder of BQ9 Agency, the world's first Ecosystem Enabler for Open and Decentralized AI & Blockchain and Creators4Impact (Spain & UAE), she weaves together innovation across technology, creativity, sustainability, and social impact. Irina leads global initiatives that empower communities and strengthen human rights-centered governance. She has contributed to international platforms including the ITU, UN COP summits, and major blockchain networks. Irina is the creator and host of The Business Case for AI & Blockchain podcast. She is also the co-author of Toward a Cooperative World: A Manual for the Political Operating System (coming 2026). Her work bridges technology, governance, and social impact to help shape the upcoming cooperative and sustainable world order.

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**Dr. Chirag Agrawal**  
AI strategy and transformation expert in  
Manufacturing, United States of America

## AI in Industrial and Manufacturing Industry

Manufacturing is moving from reactive, experience-based operations toward predictive and prescriptive decision-making, with growing levels of automation on the plant floor. This talk examines where AI is being applied across the manufacturing value chain, including predictive maintenance, computer vision for quality inspection, production planning and scheduling, energy and yield management, supply chain forecasting, and workplace safety. The central argument is that the main challenge in industrial AI is no longer model accuracy. It is a scaled deployment: building consistent data foundations across plants, running operations for distributed model fleets, managing operator adoption, and implementing benefits-realization frameworks that tie model outputs to measurable operational and financial outcomes. Field evidence shows that mature programs can deliver tens of millions of dollars in operational benefits, with leading manufacturers earning recognition through programs such as the World Economic Forum's Global Lighthouse Network. The talk closes with a forward look at agentic systems, physical AI, and digital twins, and practical considerations around governance, workforce, and architecture that determine success at enterprise scale.

### Biography:

Chirag is a recognized leader in industrial AI and an expert in scaling artificial intelligence across heavy manufacturing. As Global Head of Data Science at Novelis Inc., he built and led a centralized AI organization supporting plants across North America, Europe, Asia, and South America. He is the architect of enterprise platforms for industrial predictive maintenance and computer vision quality inspection that have been deployed at scale across rolling and recycling operations. Chirag pioneered a Scale-Expand-Transform framework and a staggered wave deployment methodology, now used as reference models for industrial AI rollouts. He was named to the AI100 list at MachineCon 2025 and speaks regularly on predictive maintenance, computer vision in heavy industry, physical AI, and the operating models required to take industrial AI from pilot to enterprise scale.

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**Mr. Prasad Bheemavarapu**

**Oracle America Inc, United States of America**

## **How AI Agents Will Transform the Employee Experience**

Artificial Intelligence is rapidly transforming the future of Human Capital Management. In this session, attendees will explore how Oracle HCM Cloud leverages AI to enhance employee experience, streamline HR operations, and enable smarter workforce decisions. The presentation will cover practical use cases across the employee lifecycle, including recruiting, onboarding, learning, career development, talent management, employee support, and workforce planning. Participants will gain insights into Oracle's embedded AI capabilities, generative AI innovations, intelligent recommendations, skills-based talent management, and digital assistants that help organizations improve productivity and drive business outcomes. Through real-world examples and best practices, attendees will learn how AI can reduce administrative effort, empower employees and managers, and help organizations build a more agile, skilled, and future-ready workforce. The session will also discuss responsible AI principles and key considerations for successfully adopting AI within HR processes.

### **Biography:**

Prasad Bheemavarapu is a Senior Principal Support Engineer at Oracle with extensive experience in Oracle HCM Cloud, specializing in Core HR, Workforce Structures, Employment, and HR business processes. Over the years, he has worked closely with global customers to resolve complex business challenges, drive successful HCM implementations, and improve operational efficiency through best practices and innovation. Prasad is passionate about emerging technologies and their impact on Human Capital Management. He actively explores the intersection of Oracle HCM and Artificial Intelligence, helping organizations understand how AI can enhance employee experience, automate HR processes, and enable data-driven decision-making. Known for his customer-centric approach and deep product expertise, Prasad regularly collaborates with customers, product development teams, and industry peers to deliver practical solutions and thought leadership in the evolving HR technology landscape.

# 4<sup>th</sup> Tech Summit on Artificial Intelligence and Robotics



September 28-30, 2026 | Paris, France + Virtual



**Mr. Sridharan Sankaran**

**Fynro Advisory Services, India**

## **From Principles to Practice: Operationalizing AI Ethics Through International Standards**

As artificial intelligence systems transition from experimental models to systemic infrastructure, the primary challenge for organizations is no longer defining what ethical AI looks like, but engineering how to provably achieve it. High-level ethical principles—such as fairness, accountability, and transparency—must evolve from abstract organizational policy into measurable, technical requirements. This presentation explores how the emerging landscape of international standards provides the necessary blueprint to cross this chasm, offering a structured approach to operationalizing trustworthy AI. At the core of an organization's governance architecture sits ISO/IEC 42001 (AI Management System), which establishes the overarching institutional framework required to manage AI-specific risks, balance innovation with responsibility, and embed compliance directly into the corporate lifecycle. Within this systemic framework, targeted technical standards act as operational tools. We look closely at mitigating algorithmic discrimination by integrating ISO/IEC 24027, establishing formal benchmarks to detect and measure bias across datasets and AI-aided decision-making systems. Furthermore, the talk will address broader impacts through ISO/IEC 22443, providing practical guidance on translating societal concerns and ethical considerations into actionable engineering constraints. Finally, ensuring these systems remain reliable under real-world conditions requires rigorous measurement; here, we explore how ISO/IEC 25058 offers quality evaluation guidelines tailored specifically to the unique, non-deterministic lifecycle of AI architectures. By anchoring ethical principles within this cohesive suite of international standards, organizations can move past subjective compliance. Attendees will leave with a clear understanding of how to leverage these international frameworks to build verifiable accountability structures, manage systemic risks, and foster genuine trust in enterprise-grade AI technologies.

### **Biography:**

Sridharan Sankaran is an accomplished AI researcher, mentor, and visionary leader specializing in Responsible AI, governance, and ethical technology management. He currently serves as Head of AI Research and Advisor at Fynro Advisory Services, following a distinguished 30+ years of industry experience with a career spanning pioneering engineering roles at ISRO to directing enterprise global delivery to running technology readiness initiatives at TCS research. Sridharan excels at bridging the gap between data science, compliance, and product teams. A prolific scholar with extensive IEEE and Springer publications, his research spans spectral forensics for deepfake detection, cross-cultural and decolonial AI ethics frameworks, and the alignment of international AI standards with global regulatory contexts.

# 4<sup>th</sup> Tech Summit on Artificial Intelligence and Robotics



September 28-30, 2026 | Paris, France + Virtual



**Mr. Deepak Kumar**  
PM Strategy Advisor, Belgium

## From AI Output to Decision-Ready Action: Designing Human Judgment into Program Delivery

AI tools can generate answers in seconds, yet program managers still carry responsibility for decisions made under ambiguity, stakeholder pressure and incomplete information. The central challenge is therefore not producing more AI output. It is converting that output into decision-ready action while preserving human judgment, accountability and trust. This keynote introduces Frame–Explore–Decide, a practical human-in-the-loop method for using AI as a strategic thinking partner in complex program delivery. Frame establishes the situation, stakes and constraints before advice is requested. Explore uses AI to challenge assumptions, surface hidden risks, distinguish symptoms from underlying dynamics and compare credible options. Decide returns ownership to the program leader, who calibrates the advice against organizational context, ethics, relationships and consequences. The method is demonstrated through a fictional transformation program facing a fixed launch date, contractual exposure and a late executive request that would add cost and delay. Participants will see how an initial scope question can be reframed as a governance and decision-rights problem; how options can be compared without pretending uncertainty has disappeared; and how a program manager can prepare a concise sponsor recommendation and steering-committee decision. PM Strategy Advisor, an AI decision-support product built for project and program leaders, is used as an applied case study. A short demonstration shows how scenario-based advisory, controlled memory and a structured strategic memo can support preparation while leaving the final decision with the human leader. Participants will leave with a reusable method and a five-question checklist for responsible AI supported decisions: Is the context accurate? What assumptions were made? What is missing? What happens if the advice is wrong? Who owns the final decision? The objective is not automated leadership, but better-prepared leaders who can make clearer, faster and more accountable decisions.

### Biography:

Deepak Kumar, PMP® is the founder of PM Strategy Advisor, an AI decision-support product for project and program leaders navigating high-stakes delivery situations. He is a senior program and transformation leader with experience across SaaS, banking, technology and complex stakeholder environments. His work focuses on connecting strategy with execution, strengthening delivery governance and helping leaders turn ambiguity into structured decisions. Deepak combines practical program leadership with hands-on AI product development, exploring how human-in-the loop advisory can improve decision readiness without replacing professional judgment. Based in Belgium, he writes and speaks about program management, AI adoption, transformation and responsible, outcome-focused leadership practice.

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