



2nd International Conference on
**MACHINE LEARNING AND
ARTIFICIAL INTELLIGENCE**

May 29-31, 2025 | Amsterdam, Netherlands

Day 01 | May 29, 2025

09:00 - 09:30

On-Spot Registrations

Conference Chair

Laura A Miller, Founder and CEO of NextGen Ethics , USA

Conference Co-Chair

Alfonso Farina, PhD, HC, Selex-ES (retired), Consultant, President of the Leonardo Radar & Sensors Academy, Italy

Plenary Talks

09:30 - 10:10

P **Title:** The Frictional Triad: A Human-Centered Approach to AI
Laura A Miller, *Founder and CEO of NextGen Ethics , USA*

10:10 - 10:50

P **Title:** From ICT to AI: The Next Frontier in Technology, Exploring the Transition and its Implications
Alfonso Farina, *PhD, HC, Selex-ES (retired), Consultant, President of the Leonardo Radar & Sensors Academy, Italy*
Salvatore Ponte, *University of Campania "L. Vanvitelli", Italy*

10:50 - 11:05

Refreshment Break

11:05 - 11:45

P **Title:** Enhancing Digital Handwriting Verification by Integrating Multiple Modalities
Chul Kim, *George Mason University, South Korea*

11:45 - 12:25

P **Title:** Revisiting Gaussian-Bernoulli RBMs: Foundations for Energy-Based Sequence Modeling
Luke Theogarajan, *University of California Santa Barbara, USA*

12:25 - 13:05

P **Title:** A.I. as Lifeline for Youngsters in the New Geopolitical Dynamics
Piet Kommers, *Emeritus Professor University of Twente, The Netherlands*

13:05 - 14:05

Group Photo / Lunch Break

14:05 - 14:45

P **Title:** Multiple Relation Database Joins Using Depth First Search Tree Search with Forward Checking
Robert Haralick, *City University of New York, USA*
Edsn Kensington, *City University of New York, USA*

14:45 - 15:25

P **Title:** Tiny Contextual Embedding and K-NN for Anomaly Detection on Postal Addresses

Nedra Mellouli, *University of Paris 8 and Co-director of LIASD Research Lab, France*

15:25 - 16:05

P **Title:** Next Generation Workforce Scheduling With AI

Hoong Chuin Lau, *Singapore Management University, Singapore*

15:55 - 16:20

Refreshment Break

Keynote Talks

16:20 - 16:50

K **Title:** Artificial Intelligence for Smart Health

Ivan Ganchev, *University of Plovdiv, Bulgaria*

16:50 - 17:20

K **Title:** Reimagining Readiness for the Workplace

Scott Overmyer, *Illinois State University, USA*

Invited Talks

17:20 - 17:40

I **Title:** Leveraging Machine Learning in Internal Audit for Anomaly Detection and Fraud Prevention

Ifeoluwa Emmanuel Olagbaju, *M&G plc, UK*

17:40 - 18:00

I **Title:** Beyond Human-in-the-Loop: Human Scaffolding for Ethical AI in Practice

Sahaj Vaidya, *AI Policy Research Consultant at Civic Data Lab, India*

End of Day 01

Day 02 | May 30, 2025

Plenary Talks

09:30 - 10:10

P **Title:** Result Driven AI in a Dynamic Business Landscape

Emma R Verhagen, *CEO @ Ideal Shift AI, The Netherlands*

10:10 - 10:50

P **Title:** Future Trends in Threat Intelligence and Machine Learning for Cybersecurity

Hamed Taherdoost, *University Canada West, Canada*

10:50 - 11:05

Refreshment Break

11:05 - 11:45

P **Title:** Study on Evaluations for Unsupervised Learning Algorithms

Ying Bai, *Johnson C. Smith University, USA*

11:45 - 12:25

- P** **Title:** State-Space Grey-Box Model Towards The Large World Model and Application to Smart Farming
Yun Li, *Shenzhen Institute for Advanced Study, China*
Lin Li, *Qingdao Agricultural University, China*

Keynote Talks

12:25 - 12:55

- K** **Title:** Empowering Frontline Healthcare Workers with Artificial Intelligence: A Practical, No-Coding Approach to Transforming Patient Care
Omar M Aljawfi, *Medstar Health Research Institute & Georgetown University, USA*

12:55 - 13:55

Group Photo / Lunch Break

13:55 - 14:25

- K** **Title:** Smart Manufacturing: The Path to Opening Unlimited Opportunities
Aroop Bhattacharjee, *ABB E-Mobility, The Netherlands*

14:25 - 14:55

- K** **Title:** Barcode and Discount Recognition Using Deep Learning
Xiaoyan Dai, *Kyocera Coporation, Japan*

14:55 - 15:25

- K** **Title:** Contour-Based Segmentation for Dynamic Medical Images
Surajit Ray, *University of Glasgow, UK*

15:25 - 15:55

- K** **Title:** In advanced robotics control, how to keep AI in the box?
Luc Rolland, *University of the West of Scotland, UK*

15:55 - 16:10

Refreshment Break

Invited Talks

16:10 - 16:30

- I** **Title:** Generative AI Feature Development Life Cycle: From Exploration to Deployment
Jeshwanth Challagundla, *The Senior Machine Learning Engineer, Google, Canada*

16:30 - 16:50

- I** **Title:** Fair Artificial Intelligence for Reducing Peak Electricity Consumption
Oladimeji Kazeem, *Zeemy Ltd, UK*

16:50 - 17:10

- I** **Title:** The Interplay of Privacy Protection and Application Compatibility in Platform Competition
Netnapha Chamnisampan, *National Chin-Yi University of Technology, Taiwan*

17:10 - 17:30

- I** **Title:** AI and The Newsroom: Transforming Journalism with Intelligent Systems
Richard Ogundele, *Manchester Metropolitan University, UK*

17:30 - 17:50

- I** **Title:** Artificial Intelligence in Surgery
Khanna Abhinav, *Mayo Clinic, USA*

17:50 - 18:00

Poster Presentation

Poster

- P1** **Title:** Machine Learning Methods for Spam Detection and Filtering
Nadine Nibigira, *University of Burundi, Burundi*

End of Day 02

Day 03 | May 31, 2025

Plenary Talks

09:30 - 10:10

- P** **Title:** Why LLM and Neural Nets Hallucinate?
Bijan Tadayon, *CEO @ Z Advanced Computing, Inc., USA*

Keynote Talks

10:10 - 10:40

- K** **Title:** Harnessing Applied AI: Revolutionizing Industrial Solutions through Machine Learning and Artificial Intelligence
Ali Soofastaei, *Project Manager for Data Analytics, Australia*

10:40 - 11:10

- K** **Title:** Exploring the Complexity of Deep Neural Networks through Functional Equivalence
Guohao Shen, *The Hong Kong Polytechnic University, Hong Kong*

11:10 - 11:25

Refreshment Break

11:25 - 11:55

- K** **Title:** Multi-Task Deep Learning
Giuseppe Di Fatta, *Free University of Bozen-Bolzano, Italy*

12:25 - 13:05

- K** **Title:** Multimodal Data Collection and Processing for Modeling Forest Fires using Machine Learning Techniques
Kshirasagar Naik, *University of Waterloo, Canada*

11:25 - 11:55

- K** **Title:** Leveraging by AI with Honeypots and MTD to Mitigate DDoS Attacks
Amir Javadpour, *University of Oulu, Finland*

11:55 - 13:55

Group Photo / Lunch Break

13:55 - 14:25

- K** **Title:** Revolutionizing Head and Neck Reconstruction: The Integration of Artificial Intelligence and Virtual Reality in Surgical Practice
Shohreh Ghasemi, *Oklahoma University, USA*

14:25 - 14:55

- K** **Title:** The Fourth 4th Industrial Revolution's Artificial Intelligence Effect on the Enterprise Cyber Strategy
Christopher L Gorham, *Washington University of Science and Technology, USA*

14:55 - 15:25

- K** **Title:** Integration of AI and Blockchain
Shiping Chen, *The University of New South Wales, Australia*

Workshop Presentation

15:25 - 16:25

- W** **Title:** AI Based Precision Farming in Ethiopia Context
Aschalew Woldeyesus Fogi, *Jimma University, Ethiopia*

16:25 - 16:40

Refreshment Break

Invited Talks

16:40 - 17:00

- I** **Title:** Beyond Human-in-the-Loop: Human Scaffolding for Ethical AI in Practice
Sahaj Vaidya, *AI Policy Research Consultant at Civic Data Lab, India*

17:00 - 17:20

- I** **Title:** Using Artificial Intelligence AI to Eliminate the Phenomenon of The Spread of Drugs and Addiction "Iraq Post Disaster as a Case Study"
Rasha A Wheb, *University of Baghdad, Iraq*

17:20 - 17:40

- I** **Title:** Land Use Land Cover Segmentation using Synthetic Aperture Radar Data on Dhaka Division, Bangladesh
AKM Mahbubur Rahman, *Independent University, Bangladesh*

17:40 - 18:00

Poster Presentation

Poster

- P1** **Title:** Artificial Intelligence for Smart Evacuation in Cases of Emergency
Ivan Ganchev, *University of Plovdiv, Bulgaria*

Poster

- P2** **Title:** Structured Optimization: Algorithms and Application in Cell Fate Conversion
Carisa K.W. YU, *The Hang Seng University of Hong Kong, Hong Kong*

End of the Conference

UPCOMING CONFERENCE

ICMLAI-2026

3rd International Conference on
**MACHINE LEARNING AND
ARTIFICIAL INTELLIGENCE**

May 18-20, 2026 | Madrid, Spain

