

Tentative Program

Organized by



UNITED Scientific
Group
A non-profit organization



International Conference on

ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING (AIM-2024)

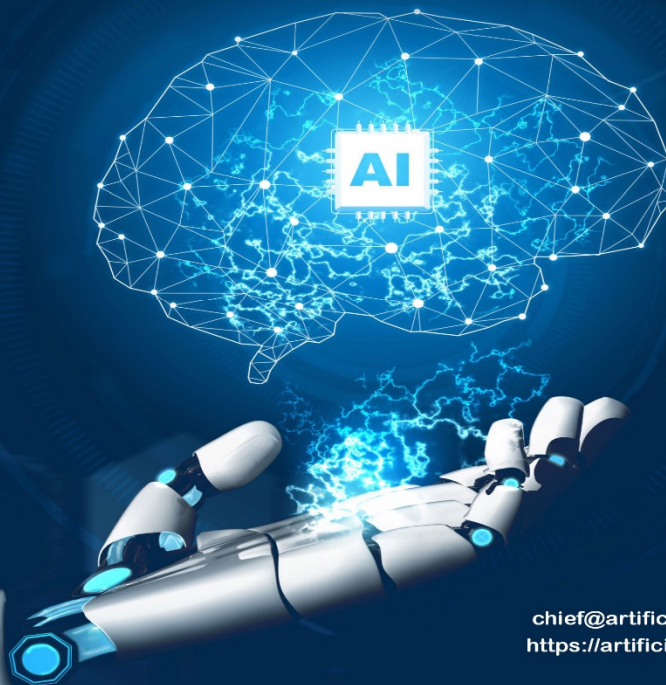
JUNE 10-12, 2024 | SAN FRANCISCO, CA



**DoubleTree by Hilton, San Francisco Airport,
835 Airport Blvd, Burlingame,
CA 94010, United States**

GMT-7 Pacific Time (San Francisco, CA)

+1-469-854-2280



chief@artificialintelligence-conference.com
<https://artificialintelligence-conference.com/>

Program Last Updated on: May 14, 2024

Last minute changes due to functional, private, or organizational needs can be necessary. The event organizer accepts no liability for any additional costs caused by a change of program. **Program is subject to change.**

Scientific Sessions

- AI Algorithms
- AI Infra, Tools & Applications
- Quantum Computing
- Artificial Neural Networks & Architecture (ANN)
- Computer Vision & Machine Vision
- Natural Language Processing
- Expert System
- Deep Learning & Transfer Learning
- Data Mining & Machine Learning Tools
- Human Computer Interaction
- High Performance Computing
- Cybersecurity

- Cognitive computing
- Cloud Automation
- AI Graphics & 3D-Printing
- Generative AI
- Artificial General Intelligence (AGI)
- Robotics & Mechatronics
- Virtual & Augmented Reality
- Data Science & Big Data Engineering
- Nanorobotics
- Machine Learning in Control Applications
- Computer Science








Keynote Presentations | 30 Minutes



David G. Stork, Stanford University, Stanford, CA
Artificial Intelligence and Deep Learning in the Study of Fine Art Paintings and Drawings



Demetri Terzopoulos, University of California, Los Angeles, CA
Title: To Be Announced!!!

	Michael Mahoney , University of California, Berkeley, CA Foundational Methods for Foundational Models for Scientific Machine Learning
	Bing Liu , University of Illinois Chicago, Chicago, IL Autonomous Learning Agent: A Theoretical Framework
	Roland T. Rust , University of Maryland, College Park, MD Ming-Hui Huang , National Taiwan University, Taiwan How AI Is Creating a Feeling Economy
	Alexander Tuzhilin , New York University, New York, NY Title: To Be Announced!!!
	Haoran Xie , Lingnan University, Hong Kong Contrastive Learning Models for Sentence Representations
	Frank K Wuerthwein , UC San Diego, La Jolla, CA Title: To Be Announced!!
	Mark A Runco , Southern Oregon University, Ashland, OR The “Artificial Creativity” of AI is Very Different from the “Authentic Creativity” of Humans Which is Required for Innovation

Oral Presentations | 20 Minutes

Craig Kaplan , iQ Company Aptos, CA How to Create AGI and Not Die
Carlos D Paternina , San Diego State University, San Diego, CA Harnessing Generative AI in Supply Chains: An Application on Inventory Classification
Bobby Nisha , University of Sheffield, United Kingdom Innovations in the immersive space: Case studies from Education and Navigation Research with Eye-tracking analytics in Virtual Reality
Giulio Marchena Sekli , Pontificia Universidad Católica del Perú, Peru From Concept to Reality: Addressing Challenges and Constructing a Blueprint for Effective Generative AI Integration in Business Operations
Yingcong Chen , HKUST(GZ), China Towards High-Fidelity Text-to-3D Generation
David Israel , SRI Artificial Intelligence Center, Palo Alto, CA A Tale of (at Least) Two Titles
Anshu Arora , University of the District of Columbia, Washington, DC SMARTER Robots Engaged in Robotic Interventions for Students with Learning Disabilities

<p>Ahmed Farahat, Hitachi America, Ltd., Santa Clara, CA Transforming Industries using AI: New Advancements and Tales from the Field</p>
<p>Salma Karray, Ontario Tech University, Canada Predicting user engagement toward movie trailers using applications of AI tools</p>
<p>Franz Kurfess, California Polytechnic State University, San Luis Obispo, CA Artificial Intelligence in Search and Rescue</p>
<p>Joseph Aneke, Hampton University, Hampton, VA Design of Warning Messages against Phishing Attacks: A Case for Personalized AI enabled Warning Designs</p>
<p>Jonathan Stubblefield, Arkansas State University, Jonesboro, AR Rapid and Scalable Classification of Viral Genomes</p>
<p>Daniela Ushizima, Lawrence Berkeley National Laboratory, San Francisco, CA Empowering Energy Storage: AI Fusion of Vision and Language for Advanced Battery Analysis</p>
<p>Bingcheng Li, Lockheed Martin, Owego, NY Diffusion Equation Based Subspace Extraction of Image Data for Fast K-Means</p>
<p>Zhong Chen, Southern Illinois University, Carbondale, IL $\ell_{1,2}$ Norm and CUR Matrix Decomposition based Sparse Online Active Learning for Data Streams</p>
<p>Cao Thang Bui, California State University, Monterey Bay, CA Advancing Access Control: Exploring AI and ML Techniques for Enhanced Security</p>
<p>Chris Gerrits, Crozier Consulting Engineers, Canada Advancing AI/ML in the Water Sector; A Review of Potential Uses to Leverage Existing Data</p>
<p>Arit Kumar Bishwas, Price waterhouse coopers (PWC), Fremont, CA Quantum Computing: Exploring its Business Implications and Industry Applications</p>
<p>J.P. Auffret, George Mason University, Fairfax, VA AI Validation and Assurance and Accountability - Current Legislation, Policies and Industry Practices for Scaling AI Adoption While Managing Risk</p>
<p>Tal Barmeir, CEO, BlinqIO Inc, Wilmington, DE AI-operated Virtual Testers - Generative AI & LLM agents bring groundbreaking capabilities into the Testing world</p>
<p>Eniko T. Enikov, University of Massachusetts, Boston, MA System Identification Experiments with the Bi-Copter and Arduino Nano 33-IoT</p>
<p>Giulia Capitoli, University of Milano-Bicocca, Italy Assisting Clinical Diagnosis: Fuzzy Probability Trees, an Interpretable AI Model</p>
<p>Andrei Tudor Patrascu, FAST Foundation, Tallahassee, FL Qubit Stabilisation via learning capable materials</p>
<p>Danilo Vasconcellos Vargas, Kyushu University, Japan Unleashing Intelligence: Exploring New Horizons for Natural and Synthetic Minds</p>
<p>Muntean Mihaela, West University of Timisoara, Romania Role of AutoML in Business Analytics</p>
<p>Juliette Mattioli, Thales, France Artificial Intelligence in Search and Rescue</p>
<p>Shekhar Ashok Pawar, SecureClaw Inc, Dower, DE Need of Business Domain Specific Least Cybersecurity Controls Implementation (BDSLCCI) Framework for Small and Medium Businesses</p>
<p>Todd Dobbs, University of North Carolina at Charlotte, Charlotte, NC Contemporary Art Authentication with Large-Scale Classification</p>
<p>Jin song Dong, National University of Singapore, Singapore, Probabilistic Reasoning for Sports Analytics: Decisions Beyond ChatGPT</p>
<p>Tala Talaei Khoei, Roux Institute Northeastern University, Portland, ME, The Importance of Intrusion Detection Systems on Smart Grid Using Artificial Intelligence Techniques</p>
<p>Gustavo K Rohde, The University of Virginia, Charlottesville, VA Optimal Transport Embeddings for Machine Learning</p>

<p>Sreedevi Gutta, California State University San Marcos, San Marcos, CA Learned Features from Convolutional Neural Networks for Improved Glioma Grade Prediction</p>
<p>Gayathri Karthick, York St John University, United Kingdom Immersive Learning using Metaverse: Transforming the Education Industry through Extended Reality</p>
<p>Shuvalaxmi Dass, University of Louisiana at Lafayette, Lafayette, LA Achieving Configuration Security through Moving Target Defense</p>
<p>Joaquin Trujillo, Sigetic, Poland The DARPA Machine Common Sense (MCS) Program: A Phenomenological Diagnosis of its Interpretational Challenges</p>
<p>Ronnie Sebro, Mayo Clinic, Jacksonville, FL Radiomics analysis for bone and soft tissue tumors</p>
<p>Shilpa Lakhanpal, California State University, Fullerton, CA Reasoning in Large Language Models: A survey of Effective Prompting</p>
<p>Devika Naik, Nagesh Gulkotwar, Google, New York, NY and Plainfield, IL The Impact of AI on the Market to Product feedback loop in the technology industry</p>
<p>Sie Long Kek, University Tun Hussein Onn Malaysia, Malaysia Prediction simplified model for dynamic system simulation</p>
<p>Yizhou Yu, The University of Hong Kong, Hong Kong Vision-and-Language Navigation with Open-Vocabulary Detection and Structured Representation</p>
<p>Krzysztof Wolk, ADT Group, Poland Development of an Integrated Aquatic Research Platform with Real-Time Analysis Capabilities for Water Composition Using Machine Learning Techniques</p>
<p>Satya Naga Srikar Kodavati, University of Arizona, Tucson, AZ Face Expression of Personality</p>
<p>Eniko T. Enikov, University of Massachusetts Boston, Boston, MA System Identification Experiments with the Bi-Copter and Arduino Nano 33-IoT</p>
<p>Xiao Chang, Tuskegee University, Tuskegee, AL Groundwater Level Prediction with Machine Learning</p>
<p>Sajjan Kanukolanu Position2, Santa Clara, CA Enhanced Marketing with AI: Insights and Frameworks for Rapid Adoption in Service Firms</p>
<p>Chao Zheng, Tencent, China Scalable and Efficient HD Map Production Platform Based on THMA (Tencent HD Map AI System)</p>
<p>Minh N H Nguyen, Vietnam Korea University of Information and Communication, Viet Nam Towards Knowledge Transfer across Models in Federated Learning</p>
<p>Russell Suereth, Salve Regina University, Newport, RI Abstract for Considering Caring as a Safeguard in Artificial Intelligence</p>
<p>Qiu, Central South University, China Research on Railway Track Irregularity Prediction Based on HHO-TCN</p>
<p>Yong Oh LEE, Hongik University, South Korea Deep Learning-Based Diagnostics: Analyzing Mechanical Vibrations and Human Voice for Condition Assessment</p>
<p>Mahault Albarracin, University of Quebec in Montreal, Canada AI Empathy to Solve for Local Alignment Using Active Inference</p>
<p>Nassim Sohaee, University of North Texas, Texas, TX Assessing Public Trust in Autonomous Driving Technology: Insights from Tesla Incidents</p>
<p>Modar Alaoui, Eyeris, Mountain View, CA GenAI Advancements to Vehicle In-Cabin Sensing for Safety and Comfort</p>
<p>Md Ali, Capitol Technology University, Chicago, IL Bridging the Job Gap in Cybersecurity through Artificial Intelligence</p>

Ujunwa Madububambachu, University of Southern Mississippi, Hattiesburg, MS
Enhancing Privacy in Internet of Vehicles Through Hardware-Accelerated Authentication Scheme Using Physical Unclonable Function (PUF)

Srikar kodavati, University of Massachusetts, Boston, MA
Face Expression of Personality

Janett Walters-Williams, Hampton University, Hampton, VA
Detecting Transition States of Dual Mode Scramjet Data Utilizing Deep Learning Techniques

Jeff Turner, Chapman University, Orange, CA
Teaching and using Tool Chains with LLMs for Software Engineering

Sarra Alqahtani, Wake Forest University, Winston-Salem, NC
Robust, Explainable Security in Multi-Agent Reinforcement Learning

Christopher Bonn, Bonfire Leadership solutions, Tucson, AZ
Robust, Explainable Security in Multi-Agent Reinforcement Learning

Nicola Corriero, Institute of Crystallography, Italy
CrystalMELA: Machine Learning-driven Crystal System Classification Platform

Abu Anas Ibn Samad, Sigmind.ai, Bangladesh
Recurrence based sorting for improved accuracy of vehicle movement parameter identification

Ali Al Hadwer, King Saud University for Health Sciences, Saudi Arabia
"Advancements and Trends in AI Infrastructure, Tools, and Applications: A Comprehensive Review (2019-2024)"

Tanisha Kumthekar, Pune Institute Of Computer Technology, India
Recurrence based sorting for improved accuracy of vehicle movement parameter identification

Sukhdeep Singh, D.M. College (Affiliated to Panjab University, Chandigarh), Moga, Punjab, India
Handwritten Medical Prescription Recognition System

Sanjeev Kumar, National Institute of Technology, India
Image Analysis based Malware Detection and Classification

Sunitha Cheriyan, University of Technology and Applied Sciences, Muscat, Sultanate of Oman, Oman
Unveiling Insights: The Power of Graph Analytics in Today's Data Landscape

Sharvarn Shamar, Paul Bogle High School, Jamaica
Machine Learning in Control Systems: New Age Opportunities

Razia de Loyola Furtado Sardinha, Padre Conceicao College of Engineering, India
Fine-Grained Recognition using XAI: Leveraging Interpretability for Accuracy

Dinesh, Maharishi Markandeshwar, India
Intuitionistic fuzzy VIKOR-TOPSIS strategy built on exponential knowledge and accuracy measure for suitable antibiotic decision-making

Imadeddin Ouahidi, Al Akhawayn University, Morocco
MoveRight: A Real-time AI-Assisted Fitness Application

Andrew Oladugba, Egypt-Japan University of Science and Technology, Nigeria
A Systematic Literature Review of the Yard Crane Scheduling Problem in Container Terminals

Sarah Nassar, University of Bordeaux, France
Multi-Layer Perceptron for Compressive Strength Prediction of Earth Bricks

Imadeddin Ouahidi, Al Akhawayn University, Morocco
MoveRight: A Real-time AI-Assisted Fitness Application

Sami Mahfoudhi, Kamel Barkaoui National Conservatory of Arts and Crafts, France
Machine learning based observers: overview and challenges

Sisay Geremew Gebeyehu, Bahir Dar University, Ethiopia
Artificial Intelligence and Industrial Engineering: An operational Decision Perspective

Haritha T H, Christ (Deemed to be University), India
An Integrated Approach to Sentiment Analysis and Categorization of Cyberbullying in Twitter: A Comparative Study of Machine Learning and Deep Learning Algorithms

Ruslan Budnik, HSE University, Russia
Initial designs of artificial humans: intellectual property and ethical aspects

Ahongsangbam Dorendro, Manipur University, India
Challenges in Determining the Authenticity, Honesty, and Intentions of Opinions Expressed on Twitter and Sentiment Analysis

Poster Presentations

Kim Carson, Parallax Futures, Berkeley, CA
Rewiring Progress: How to Unleash the Full Power of AI

Jeha Ryu, Gwangju Institute of Science and Technology, South Korea
Deep-Learning for Traffic Accident Anticipation

HE LI, University of Georgia, Athens, GA
Transfer Learning on Physics-Informed Neural Networks for Tracking the Hemodynamics in the Evolving False Lumen of Dissected Aorta

Bardia Timouri, Ravdeep Aulakh, Gathrean Dela Cruz, British Columbia Institute of Technology, United Kingdom
Multi-Musical Instrument Recognition Neural Network

Mehdi Sbartai, University of Bordeaux, France
Supervised Machine Learning for Civil Engineering Infrastructure Maintenance

Soonmin Lee, Yonsei University College of Medicine, South Korea
Application of artificial intelligence for predicting the risk of postnatal growth failure at 7 days after birth among very low birth weight infants

Oluwafemi Oladapo Adeleke, Data Science Tech Institute, France
Building A Profitable Financial Strategy Through Forecasting Of Real-Time Stock Market Report Analysis

Sankar Bandyopadhyay, Penn State University, State College, PA
A brief historical journey of artificial intelligence from Abacus to machine learning, deep learning, neuromorphic neurons into Neurology / Proposed AI Curriculum In Medicine

Sujan Acharya, Henan Province, China
AI for Good: Navigating Societal Impact and Ethical Constraints

Marina, Thomas Jefferson High School for Science and Technology, Alexandria, VA
"Measuring Heterogeneity in Language Modeling for Enhanced Chatbot Personalization"

Kalyani pakhale, Innover Digital, India
Navigating the Frontier: ChatGPT and Generative AI in Mathematical Problem-Solving

Luis Felipe Morales Curiel, ICFO - The Institute of Photonic Sciences, Spain
Volumetric bioluminescence imaging of neuron dynamics with deep learning based Fourier light-field reconstruction

Bruno Perez, AKKODIS Research, France
MAS/CBR architecture enriched with decision support tools to predict risks in surgery

Najmul Hasan, University of North Carolina at Pembroke, Pembroke, NC
Cross-Linguistic Speech Emotion Detection

Titles to be announced!!!

Yashash Gaurav , Ripple, San Francisco, CA
Yi Li , Sanofi, Cambridge, MA
Daniel Davis , Torch Technologies, Inc., Huntsville, AL
Shahriar Sajib , University of Technology Sydney, Australia
John Abraham , San Diego State University, San Diego, CA
Petter N Kolm , New York University, New York, NY
Vittorio Ferrari , Synthesia, Switzerland
Galina Young , Vanguard, Malvern, PA
Gunnar Carlsson , BluelightAI Inc, Stanford, CA

Presentation Slots Available!!