



| TIME (Amsterdam) CET/UTC+2 | Thu May 21 | Fri May 22 |
|-------------------------------|---|---|
| 09:00 AM - 09:30 AM | Delegates Login | Delegates Login |
| 09:30 AM - 11:00 AM | Opening + Keynote Talks <ul style="list-style-type: none"> Juan Wachs (Purdue University, United States) Leo Dorst (University of Amsterdam) | Keynote Talks <ul style="list-style-type: none"> Marco Diani (iMAGE S S.p.A.) Alexandru Telea (Utrecht University) |
| 11:00 AM - 11:30 AM | Break | Break |
| 11:30 AM - 12:30 PM | Paper Presentations <ul style="list-style-type: none"> Session 1: 3D Vision, Scene Understanding & Depth Estimation Session 2: Autonomous Systems & Motion Analysis | Paper Presentations <ul style="list-style-type: none"> Session 7: Medical Imaging, Healthcare & Multimodal Vision Session 8: Clinical AI & Biomedical Analysis |
| 12:30 PM - 01:30 PM | Break | Break |
| 01:30 PM - 03:00 PM | Paper Presentations <ul style="list-style-type: none"> Session 3: Object Detection, Segmentation & Augmentation Session 4: Vision Enhancement, Inspection & Surveillance | Paper Presentations <ul style="list-style-type: none"> Session 9: Applications, Accessibility & Emerging Systems Session 10: Smart Systems & Real-World Vision |
| 03:00 PM - 03:30 PM | Break | Break |
| 03:30 PM - 04:30 PM | Paper Presentations <ul style="list-style-type: none"> Session 5: Classification, Representation & Learning Session 6: Applied Deep Learning | Paper Presentations <ul style="list-style-type: none"> Session 11: Security, Trust & Novel Methods Session 12: AI Infrastructure & Responsible Deployment |
| 04:30 PM Onwards | | Conference Closing (30 minutes) |

Computer Vision Conference (CVC) 2026

Day 1 - May 21, 2026

Session 1: 3D Vision, Scene Understanding & Depth Estimation

May 21 | 11:30 AM - 12:30 PM

- 195 - A Comparative Study on the Accuracy and Constraints of Pose-Free Gaussian Splating Methods (Presenter: Lazaros Grammatikopoulos)
- 160 - Adaptive Task Execution for Robots Using Scene Understanding and LLMs (Presenter: Iraklis Varlamis)
- 167 - Dynamic Human-Aware Navigation for Mobile Robotic Platforms in Crowded Environments (Presenter: Ioannis Papadopoulos)
- 211 - 3D Reconstruction Vision Based in Indoor Scene Survey: Architectures, Metrics, Datasets, Results, and Challenges (Presenter: Van-hung Le)

Session 2: Autonomous Systems & Motion Analysis

May 21 | 11:30 AM - 12:30 PM

- 1 - Dynamics of Intelligent Communication: From Specialization to Superintelligence (Presenter: Ivanka Valova)
- 13 - A VAE-Enhanced Framework Combining Imitation Learning and Soft Actor-Critic for Autonomous Vehicle Control (Presenter: Ali Riahi Samani)
- 16 - Landmark-Based Cyclist Swerving Analysis via Class-Aware One-Shot Segmentation (Presenter: Maya Aghaei)
- 76 - Validation of Human Gait Trajectories Using BNO055 Inertial Sensors and AI-Based Markerless Motion Capture (Presenter: Edder Jair Rodriguez Granados)

Session 3: Object Detection, Segmentation & Augmentation

May 21 | 01:30 PM - 03:00 PM

- 164 - YO-SAM: YOLO-Guided Segment Anything Model (Presenter: Qusai Gazawy)
- 169 - PH-SAM2: Persistent Homology-Guided Prompting of SAM2 for Zero-Shot Medical Image Segmentation (Presenter: Malak Bachri)
- 89 - FDA-Net: Dual-Stream Turbidity-Tolerant Flood Damage Assessment from Aerial Images (Presenter: Iyed Dhahri)
- 117 - TinyIceNet: Low-Power SAR Sea Ice Segmentation for On-Board FPGA Inference (Presenter: Mhd Rashed Al Koutayni)
- 46 - A Study on Roadkill Prevention Using Super-Resolution and Real-Time Object Detection Models (Presenter: Hyungjoon Jin)
- 47 - Preventing Forest Fire Reignition Using Thermal Object Detection: A Lightweight Approach Based on YOLOv8-Nano and MobileNetV (Presenter: Dain Lee)

Session 4: Vision Enhancement, Inspection & Surveillance

May 21 | 01:30 PM - 03:00 PM

- 144 - Robust Object Detection and Recognition Using Log RGB (Presenter: Bruce Maxwell)
- 184 - Occlusion-Aware Training for Robust Vision-Based Money Counting Using a Two-Stage Pipeline (Presenter: Danijel Kucak)
- 119 - Underwater Video Enhancement Using White Balancing and Contrast-Limited Adaptive Histogram Equalization (Presenter: Suad Alhojely)
- 96 - Adaptive Multi-Style Transfer with Hybrid Neural Encoding (Presenter: Jay Lunia)
- 232 - RAM-LightGlue: Radiometric Alignment for Robust RGB-Thermal Image Registration in Hazy Conditions (Presenter: Nick Arevalo)
- 125 - Deployment-Oriented Memory-Based Visual Inspection of Injection-Molded Parts (Presenter: Muhammad Manqad Raza)

Session 5: Classification, Representation & Learning

May 21 | 03:30 PM - 04:30 PM

- 28 - Discrete Cosine Transform Convolutional Neural Networks (Presenter: Peter Tawdross)
- 106 - Band-Aware Transformer (BAT-Former) for General Image Understanding (Presenter: Naresh Jung)
- 136 - Hierarchical Data Leakage in Patch-Based Image Classification: An Empirical Study on Evaluation Validity (Presenter: Rodrigo Guedes Pereira Pinheiro)

Session 6: Applied Deep Learning

May 21 | 03:30 PM - 04:30 PM

- 34 - Development of an Efficient Deep Learning Neural Network for Human Activity Recognition Using Multi-Sensor Data Fusion (Presenter: Sakorn Mekruksavanich)
- 44 - Deep Learning-Based Classification of Andean Medicinal Plants Using Morphological Feature Extraction (Presenter: Ivan Soria Solis)
- 155 - Fault Detection in Sensor Data Streams Using Signal Processing and Deep Learning Methods (Presenter: Perizat Akylzhan)

Computer Vision Conference (CVC) 2026

Day 2 - May 22, 2026

Session 7: Medical Imaging, Healthcare & Multimodal Vision

May 22 | 11:30 AM - 12:30 PM

- 197 - An Optimization Framework for Modality and Slice Selection in Adaptive Multi-Modal MRI Segmentation (Presenter: [Evan Savaria](#))
- 104 - Hyperspectral Melanoma Segmentation Using SLIC-Derived Pseudo-Labels (Presenter: [Abhinav Pandey](#))
- 27 - Adaptive Extensions of Unbiased Risk Estimators for Unsupervised Magnetic Resonance Image Denoising (Presenter: [Reeshad Khan](#))
- 173 - Comprehensive DICOM De-identification Using Visual NLP: A Dual-Level Approach to Privacy-Preserving Medical Imaging (Presenter: [Nitin Kumar](#))

Session 8: Clinical AI & Biomedical Analysis

May 22 | 11:30 AM - 12:30 PM

- 35 - BAD BRAINS (British Automated Diagnosis Blueprint Radiological Artificial Intelligence Neurology Service) (Presenter: [Kody Mistry](#))
- 79 - Comparative Study of the Mesh Quality of the Soft Tissues of the Shoulder Joint: A Finite Element Analysis (Presenter: [Maria de la Luz Suarez Hernandez](#))
- 75 - Predicting Stress Intensity Factor in Symmetric Cracked Geometries Using Deep Learning (Presenter: [Manuel Nazario Rocha Martinez](#))
- 153 - A Web-Based Intelligent System for Automated Alzheimer's Disease Classification from Brain MRI (Presenter: [Sandile Thamie Mhlanga](#))

Session 9: Applications, Accessibility & Emerging Systems

May 22 | 01:30 PM - 03:00 PM

- 120 - Creating Calming Virtual Reality Environments for Anxiety Relief (Presenter: [Kennedy Evans](#))
- 141 - Impact of Haptic Feedback on Multitasking Efficiency in Mobile Interfaces (Presenter: [Thomas Mejtoft](#))
- 142 - Shedding Light on Maps: The Impact of Light and Dark Modes on Mobile Map Usability (Presenter: [Ulrik Söderström](#))
- 74 - Mobile Application Utilizing YOLO for Analysis and Monitoring of PPE Usage in a Manufacturing Plant in Lima (Presenter: [Oliver Jesús Tuesta Yoplac](#))
- 145 - AI-Powered Study Planner Prototype System (Presenter: [Check-Yee Law](#))
- 131 - A Multi-Component Similarity Measure for Personalized Content Discovery in Periodical Digital Library Collections (Presenter: [Emanuela Mitreva](#))

Session 10: Smart Systems & Real-World Vision

May 22 | 01:30 PM - 03:00 PM

- 116 - EcoSurve: AI-Powered Surveillance Video Summarization and Retrieval for Sustainable Smart Cities (Presenter: [Aakarsh Arora](#))
- 230 - An Edge AI Multi-Camera Vision System for Real-Time Fruit Quality Inspection and Tracking (Presenter: [Pedro Dinis Gaspar](#))
- 174 - Computer Vision and Predictive Analytics Pipeline for Sustainable Fisheries: A Survey (Presenter: [Noor Ullah Khan](#))
- 91 - CAMS-VISION: A Generative, Model-Driven Approach to Context-Aware Mobile Apps with Computer Vision Across Cloud and Edge (Presenter: [Estevan Gomez](#))
- 151 - Computer Vision Enabled Learning Public Health Systems as a Service (CV LPHSaaS) (Presenter: [Nabil Georges Badr](#))
- 52 - Computer Vision-Based Optical Mark Recognition for Automatic Survey Evaluation (Presenter: [Carlos Yinnel Castro Buleje](#))

Session 11: Security, Trust & Novel Methods

May 22 | 03:30 PM - 04:30 PM

- 54 - AI and Ethics: Importance of Ethical Principles for the Implementation of the EU Act on AI (Presenter: [Martin Janku](#))
- 65 - A Camera Zoom-Based Paper-Pencil Cipher Encryption Scheme Atop Merkle-Hellman Knapsack Cryptosystem (Presenter: [Gopal Anantharaman](#))
- 196 - Building Trustworthy Computer Vision Models to Specification (Presenter: [Sathyanarayanan Manamohan](#))

Session 12: AI Infrastructure & Responsible Deployment

May 22 | 03:30 PM - 04:30 PM

- 45 - A Transformer-Based Multimodal On-Device AI System for Vulnerable Elderly Care in Aging Societies (Presenter: [Lynn Jiyeon Lee](#))
- 32 - AnyScale Inference for Enterprise Chatbots: Carbon- and Cost-Aware Geo-Shifting Across Heterogeneous Accelerators (Presenter: [Naveen Anand Mishra](#))
- 33 - RAG Under Load: Analytical and Empirical Modeling of Retrieval-Generation Performance at Scale (Presenter: [Satya Karteek Gudipati](#))