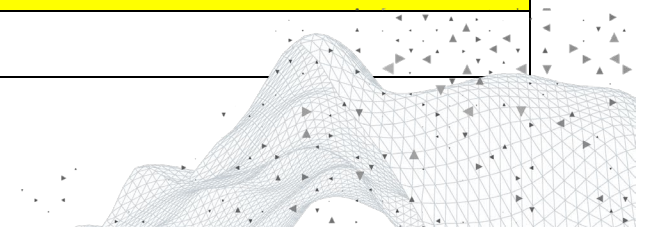


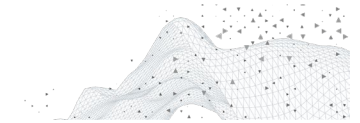
# IEEE ICIP 2024 Program at a Glance

**Sunday, 27 October 2024**

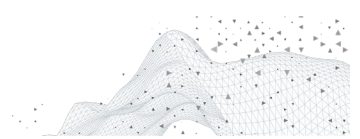
GST, GMT+4	Capital Suite - 21 C	Capital Suite - 15	Capital Suite - 16	Capital Suite - 21 A	Capital Suite - 21 B	Capital Suite - 17	Capital Suite - 12 A	Capital Suite - 12 B	Capital Suite - 14	Capital Suite - 19	Capital Suite - 13										
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9:30	Tutorial 1: Implicit Image Compression	Tutorial 3: Tensor Regression	Tutorial 4: Imagining Beyond Pixels	Tutorial 5: Visual Object Tracking	Tutorial 6: DL based video compression	Tutorial 7: Volumetric Video	Tutorial 9: 1st Learning Based Image Coding Standard	Tutorial 12: Quantum Image Processing	Progress Workshop												
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10:30	Coffee Break (Exhibition, Poster & Lunch Area)																				
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11:30	Tutorial 1: Implicit Image Compression	Tutorial 3: Tensor Regression	Tutorial 4: Imagining Beyond Pixels	Tutorial 5: Visual Object Tracking	Tutorial 6: DL based video compression	Tutorial 7: Volumetric Video	Tutorial 9: 1st Learning Based Image Coding Standard	Tutorial 12: Quantum Image Processing	Progress Workshop												
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12:30	Lunch Break (Exhibition, Poster & Lunch Area)										Micro Mentoring Experience Event (MIME)										
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14:00	Tutorial 2: Point Cloud Coding	Tutorial 8: Broadcast and Streaming Technology	Tutorial 10: Visual Data Processing for Drone AI	Tutorial 11: Inverse problems in computational imaging	Tutorial 13: JPEG Trust	Tutorial 14: Generative Modeling with Limited Data	Tutorial 9: 1st Learning Based Image Coding Standard	Tutorial 12: Quantum Image Processing	Progress Workshop												
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15:15	Coffee Break (Exhibition, Poster & Lunch Area)																				
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16:00	Tutorial 2: Point Cloud Coding	Tutorial 8: Broadcast and Streaming Technology	Tutorial 10: Visual Data Processing for Drone AI	Tutorial 11: Inverse problems in computational imaging	Tutorial 13: JPEG Trust	Tutorial 14: Generative Modeling with Limited Data	Tutorial 9: 1st Learning Based Image Coding Standard	Tutorial 12: Quantum Image Processing	Progress Workshop		Video and Image Processing (VIP) Cup										
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18:00	Welcome Reception (Exhibition Hall)																				
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Monday, 28 October 2024																	
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7:35	Opening Ceremony / State of Society (ICC Hall 1)																
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8:30	Oral Special Session MA1.L1 Joint Quarterly Experience and Energy Optimisation in Visual Data Communications	Oral Session MA1.L2 Advances in Neural Models	Oral Session MA1.L3 Explainable AI Methods	Oral Session MA1.L4 Perception and Quality Models for Images & Videos - I	Oral Session MA1.L5 Computational Photography	Oral Session MA1.L6 Biological Image Analysis	Poster Session MA1.PA Filtering, Interpolation, Formation, and Multiresolution Processing of Images & Videos	Poster Session MA1.PB Information Forensics and Security	Poster Session MA1.PC Sensor Systems	Workshop 3 Security and Privacy of Machine Learning-based Vision Processing in Autonomous Systems	Workshop 4 Embodied AI: Trends, Challenges, and Opportunities						
8:45	Coffee Break (Exhibition, Poster & Lunch Area)																
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10:30	Oral Special Session MA2.L1 Advances in Learning-based Image & Video Compression	Oral Session MA2.L2 Image and Video Denoising	Oral Session MA2.L3 Contrastive Learning for Image & Video Data	Oral Session MA2.L4 Image & Video Interpretation & Understanding - I	Oral Session MA2.L5 3D Image and Video Analysis and Compression - I	Oral Session MA2.L6 Training and Supervision Strategies for Image & Video Data - I	Poster Session MA2.PA Perception and Quality Models for Images & Videos - II	Poster Session MA2.PB Multi-Image and Sensor Fusion	Poster Session MA2.PC Computational Image Analysis	Workshop 3 Security and Privacy of Machine Learning-based Vision Processing in Autonomous Systems	Workshop 4 Embodied AI: Trends, Challenges, and Opportunities						
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12:30	Plenary 1: Reliable AI meets Image Processing Professor Gitta Kutyniok (ICC Hall 1)																
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14:45	Oral Special Session MP1.L1 Emerging Trends in Learning-based Image and Video Compression - I	Oral Session MP1.L2 Image and Video Enhancement	Oral Session MP1.L3 Perception Models in Visual AI	Oral Session MP1.L4 Robust Machine Learning Methods for Image & Video Processing - I	Oral Session MP1.L5 Image & Video Interpretation & Understanding - II	Oral Session MP1.L6 Trustworthy Visual AI Models & Systems - I	Poster Session MP1.PA Datasets and Benchmarks - I	Poster Session MP1.PB Robust Machine Learning Methods for Image & Video Processing - II	Poster Session MP1.PC Explainability, Trust, and Processing in AI	Workshop 3 Security and Privacy of Machine Learning-based Vision Processing in Autonomous Systems	Workshop 4 Embodied AI: Trends, Challenges, and Opportunities	Workshop 2 Big Visual Data Analytics	Workshop 5 2nd Workshop on 3D Computer Vision and Photogrammetry	Planning your future career with IEEE SPS		Student Job Fair (Lunch Hall)	Challenge Sessions
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16:45	Oral Special Session MP2.L1 Emerging Trends in Learning-based Image and Video Compression - II	Oral Session MP2.L2 Image and Video Restoration	Oral Session MP2.L3 Image & Video Synthesis, Rendering, and Visualization	Oral Session MP2.L4 Robust Machine Learning Methods for Image & Video Processing - II	Oral Session MP2.L5 Image & Video Representation	Oral Session MP2.L6 Training and Supervision Strategies for Image & Video Data - II	Poster Session MP2.PA Medical Image Analysis - V	Poster Session MP2.PB Medical Image Analysis - VI			Workshop 3 Security and Privacy of Machine Learning-based Vision Processing in Autonomous Systems	Workshop 4 Embodied AI: Trends, Challenges, and Opportunities	Workshop 2 Big Visual Data Analytics	Workshop 5 2nd Workshop on 3D Computer Vision and Photogrammetry			
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Tuesday, 29 October 2024																		
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8:45	Oral Special Session TAL.L1 Media Authenticity in the Age of Artificial Intelligence	Oral Session TAL.L2 Neural Image and Video Compression - I	Oral Session TAL.L3 Media Authenticity in the Age of Artificial Intelligence	Oral Session TAL.L4 Robust Machine Learning Methods for Image & Video Processing - III	Oral Session TAL.L5 Image & Video Interpretation & Understanding - III	Oral Session TAL.L6 Training and Supervision Strategies for Image & Video Data - III	Poster Session TAL.P5 Images & Videos analysis, Retrieval, Rendering, and Synthesis - I	Poster Session TAL.P6 Images & Videos analysis, Retrieval, Rendering, and Synthesis - II	Poster Session TAL.P7 Restoration and Enhancement - I	Poster Session TAL.P8 Restoration and Enhancement - II				Workshop 7 Biomedical Imaging & Diagnostics: Innovations in Biomarkers, Digital Pathology, & Radiology				
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10:00	Coffee Break (Exhibition, Poster & Lunch Area)																	
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10:45	Oral Special Session TAL.L1 Recent Advances in Multimedia Forensics in the AI-Generative Era	Oral Session TAL.L2 Neural Image and Video Compression - II	Oral Session TAL.L3 Augmentation for Image & Video Learning	Oral Session TAL.L4 Robust Machine Learning Methods for Image & Video Processing - IV	Oral Session TAL.L5 Image and Video Processing	Oral Session TAL.L6 Training and Supervision Strategies for Image & Video Data - IV	Poster Session TAL.P5 Image & Video Representation	Poster Session TAL.P6 Image & Video Interpretation and Understanding - V	Poster Session TAL.P7 Image & Video Interpretation and Understanding - VI					Workshop 7 Biomedical Imaging & Diagnostics: Innovations in Biomarkers, Digital Pathology, & Radiology				
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12:00	Plenary II: Neuromorphic-based Brain-computer Interfaces to Recover Vital Functions: Algorithms, Signals, Images, and System-on-Chips, Professor Mohamad Sawan (ICC Hall 1)																	
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14:45	Oral Special Session TPI.L1 AI-based Medical Image Quality Assessment and Enhancement	Oral Special Session TPI.L2 Deep Neural Architecture Generation for Generative Models and Adversarial Learning	Oral Session TPI.L3 Perception Models in Visual AI Systems - I	Oral Session TPI.L4 Robust Machine Learning Methods for Image & Video Processing - V	Oral Session TPI.L5 Medical Image Analysis - I	Oral Session TPI.L6 Trustworthy Visual AI Models & Systems - II	Poster Session TPI.PA Datasets and Benchmarks - I	Poster Session TPI.PB Robust Machine Learning Methods for Image & Video Processing - VII	Poster Session TPI.PC Neural Image and Video Compression - III	Poster Session TPI.PD Image and Video Coding and Streaming				Workshop 7 Biomedical Imaging & Diagnostics: Innovations in Biomarkers, Digital Pathology, & Radiology	Workshop 8 Integrating Image Processing with Large Scale Language/Vision Models for Advanced Visual Understanding	Workshop 9 1st Workshop on Intelligent Crowd Engineering	Panel on Video Coding for Machines	Women in Signal Processing Luncheon
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16:00	Coffee Break (Exhibition, Poster & Lunch Area)																	
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	Banquet (ERTH Hotel)																	



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Wednesday, 30 October 2024															
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8:45	Oral Special Session WA1.L1 <u>Trustworthy Generalization in Visual Machine Learning</u>	Oral Session WA1.L2 <u>Medical Image Formation, Reconstruction and Restoration</u>	Oral Session WA1.L3 <u>Video Coding: VVC and Beyond</u>	Oral Session WA1.L4 <u>Robust Machine Learning Methods for Image &amp; Video Processing - VI</u>	Oral Session WA1.L5 <u>Multi-Image &amp; Sensor Fusion</u>	Oral Session WA1.L6 <u>Medical Image Analysis - II</u>	Poster Session WA1.PA <u>3D Images, Videos, and Data Coding</u>	Poster Session WA1.PB <u>3D Images, Videos, and Data Processing - I</u>	Poster Session WA1.PC <u>3D Images, Videos, and Data Processing - II</u>	Workshop 12 Analysis of OCT Signals and Images: From Signal Formation to Practical Applications				ACMedia Industry Workshop Sponsored by Google and Meta	
9:00	Coffee Break (Exhibition, Poster & Lunch Area)														
9:15	Oral Special Session WA2.L1 <u>Trustworthy Visual Data Factorization, Privacy Protection, Encoding and Transmission</u>	Oral Special Session WA2.L2 <u>Lossless Imaging</u>	Oral Session WA2.L3 <u>Image and Video Coding for Machines</u>	Oral Session WA2.L4 <u>Robust Machine Learning Methods for Image &amp; Video Processing - VII</u>	Oral Session WA2.L5 <u>Point Cloud Processing - I</u>	Oral Session WA2.L6 <u>Medical Image Analysis - III</u>	Poster Session WA2.PA <u>Datasets and Benchmarks - III</u>	Poster Session WA2.PB <u>Training and Supervision Strategies for Image &amp; Video Data - V</u>	Poster Session WA2.PC <u>Learning-based Statistical Models</u>	Workshop 12 Analysis of OCT Signals and Images: From Signal Formation to Practical Applications				ACMedia Industry Workshop Sponsored by Google and Meta	Machine Vision Innovation (MVI) Tournament
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14:30	Oral Special Session WP2.L1 <u>Predictable and Trustworthy Deep Learning Algorithms for Moving Object Detection for Challenging Environments</u>	Oral Session WP2.L2 <u>Lossy Image and Video Compression</u>	Oral Session WP2.L3 <u>3D Image and Video Analysis and Compression - II</u>	Oral Session WP2.L4 <u>Image &amp; Video Interpretation &amp; Understanding - IV</u>	Oral Session WP2.L5 <u>Point Cloud Processing - II</u>	Oral Session WP2.L6 <u>Medical Image Analysis - IV</u>	Poster Session WP2.PA <u>Electronic Imaging - I</u>	Poster Session WP2.PB <u>Electronic Imaging - II</u>	Poster Session WP2.PC <u>Models, Sensing, and Acquisition for Images &amp; Videos</u>	Workshop 12 Analysis of OCT Signals and Images: From Signal Formation to Practical Applications	Workshop 10 Visual and Sensing AI for Smart Agriculture	Workshop 11 AI for Image Processing Applications on Traffic: Advancements, Challenges, and Opportunities			
14:45	Coffee Break (Exhibition, Poster & Lunch Area)														
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