

PAPER SCHEDULE BY DAY/TIME

as of Friday, January 19

Monday January 22

8:50 AM (3DIA-100)	JISTfirst: Camera Motion Estimation Method Using Depth-Normalized Criterion (Lee)	Grand Peninsula F PROC / MCV
(COIMG-117)	KEYNOTE: Image Restoration Through Inversion by Direct Iteration (InDI) (Delbracio)	Grand Peninsula C MCV
(IQSP-256)	KEYNOTE: Image Information Metrics from Slanted Edges: a Toolkit of Metrics to Aid Object Recognition, Machine Vision, and Artificial Intelligence Systems (Koren)	Grand Peninsula D DNN / MCV
(MLSf-293)	Probabilistic and Deterministic Inversions of Radiographic Data (Nadiga)	Grand Peninsula A MED
(MWSF-329)	DeepSync: Affine Transform Recovery via Convolutional Neural Networks for Watermark Synchronization (Chachlakis)	Grand Peninsula G DNN
9:05 AM (SDA-344)	Optical Aberration Analysis of Light Field Displays: A Calibration Approach for Enhanced Performance (Zhang)	Grand Peninsula E AR/VR
9:10 AM (3DIA-101)	A VGA Light-Tracing Time-of-Flight CMOS Image Sensor with Multi-Tap Pixel for Long-Range Outdoor Operations (Mars)	Grand Peninsula F
(MLSf-294)	Neural Network-based Analysis of Polychromatic PSFs for Wavelength-Specific Extraction (Shin)	Grand Peninsula A DNN
9:15 AM (MWSF-330)	Captchas on Darknet Marketplaces: Overview and Automated Solvers (Yannikos)	Grand Peninsula G
9:20 AM (COIMG-118)	Provable Probabilistic Imaging Using Score-Based Generative Priors (Sun)	Grand Peninsula C DNN
9:25 AM (SDA-345)	Vergence-accommodation Conflict: Accommodation-enabled vs. Accommodation-invariant Near-eye Displays (Sahin)	Grand Peninsula E AR/VR
9:30 AM (3DIA-102)	Extending Lidar Depth Range Using Stereo Estimation on Intensity Data (Taneski)	Grand Peninsula F PROC
(MLSf-295)	Density Reconstruction from Noisy Radiographs Using an Attention-based Transformer Network (Serino)	Grand Peninsula A DNN / MED / MCV
9:40 AM (COIMG-119)	Transformers for Microscopy Slide Image Segmentation of Invasive Melanoma (Wang)	Grand Peninsula C PROC / MED / MCV
(MWSF-331)	Novel Watermarking and Scrambling for Convolution Neural Network Weights (Poddar)	Grand Peninsula G DNN
9:45 AM (SDA-366)	Can Aliens See in 3D? (Woods)	Grand Peninsula E

KEY TO VIRTUAL TRACKS AND PUBLISHED PAPERS

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JISTfirst @ library.imaging.org/jist

JPIfirst @ library.imaging.org/jpi

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Virtual Tracks Key

Papers from across the conferences that are related to the following categories are designated as noted.

AR/VR = AR/VR and Simulate Environments

DNN = DNNs/Machine Learning

HDR = High Dynamic Range

MCV = Machine/Computer Vision

MED = Medical

9:50 AM (3DIA-103)	A Deep Learning Based Light Field Image Compression as Pseudo Video Sequences with Additional in-loop Filtering (Takhtardeshir)	Grand Peninsula F PROC / DNN
(IQSP-257)	ISP Tuning for Improved Image Quality in Machine Vision (Geever)	Grand Peninsula D
(MLSf-296)	Parameter Estimation Using Physics-based Statistical Machine Learning for Radiography (De)	Grand Peninsula A DNN / MED
10:00 AM (COIMG-120)	Generative Plug-and-Play: Posterior Sampling for Inverse Problems (Buzzard)	Grand Peninsula C
10:10 AM (MLSf-297)	Scatter Removal in Dynamic X-Ray Tomography Using Robust Features (Gautam)	Grand Peninsula A
10:40 AM (3DIA-104)	Data Augmentation Based on Depth Information for Neural Radiance Fields (Khosroshahi)	Grand Peninsula F DNN / MCV
(AVM-107)	Evaluation of Signal and Noise Metrics of High Dynamic Range Image Sensors by IEEE P2020 Methodology (Skorka)	Grand Peninsula D HDR
(COIMG-121)	KEYNOTE: Efficient Neural Scene Representation, Rendering, and Generation (Wetzstein)	Grand Peninsula C DNN / MCV
(HVEI-200)	KEYNOTE: Stimulating Art and Science: György Kepes and the Concept of "Interseeing" (Orosz)	Grand Peninsula B
(MLSf-298)	Supervised Reconstruction for Silhouette Tomography (Bell)	Grand Peninsula A MED
(MWSF-332)	One Detector to Rule Them All? On the Robustness and Generalizability of Current State-of-the-Art Deepfake Detection Methods (Frick)	Grand Peninsula G DNN / MCV
(SDA-346)	4k Stereoscopic Visualization of Robotic Microsurgery in Vascularized Free Tissue Transfer for Head and Neck Reconstruction (Ilgner)	Grand Peninsula E MED

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11:00 AM (3DIA-105)	NDEPTH: Neural Depth Encoding for Compression-Resilient 3D Transmission (Siemonsma)	Grand Peninsula F DNN	12:10 PM (IQSP-258)	Resolution and Noise Trade-off Analysis in Single-Photon Pulse LiDAR (Zhang)	Grand Peninsula D AR/VR
(MLSJ-299)	Breast Ultrasound Report Generation using LangChain (Huh)	Grand Peninsula A DNN / MED	(COIMG-125)	Physics-informed Generative Models for Imaging and Photonic Design (Tayyab)	Grand Peninsula C DNN
(SDA-347)	Manipulating Viewing Distance and Camera Toe-in in a Stereoscopic Remote Vision System (O'Keef)	Grand Peninsula E	2:00 PM SYMP WIDE	PLENARY: Seeing and Feeling in Robot-Assisted Surgery (Okamura)	Grand Peninsula D
11:05 AM (MWSF-333)	Improving Video Deepfake Detection: A DCT-Based Approach with Patch-Level Analysis (Guarnera)	Grand Peninsula G PROC / DNN / MCV	3:30 PM SYMP WIDE	Highlights 2024	Grand Peninsula D
11:10 AM (AVM-108)	Measurement of Noise Equivalent Quanta (NEQ) Using the Deadleaves Technique (Jenkin)	Grand Peninsula D	(COIMG-126)	Considerations for Materials Design from the Latent Space (Simmons)	Grand Peninsula C
(COIMG-122)	Dark Secrets of Computational Imaging (Waller)	Grand Peninsula C	(HVEI-202)	Michelangelo's Cryptic Self-Portraiture in the Sistine Chapel (Tyler)	Grand Peninsula D
11:20 AM (MLSJ-300)	SwapNet: A Memory-Efficient 2.5D Cascade Network for 3D Image Reconstruction (Xu)	Grand Peninsula A DNN / MCV	3:50 PM (COIMG-127)	Methodology for Estimation of Intrinsic Dimensions and State Variables of Microstructures (Shah)	Grand Peninsula C
(SDA-348)	KEYNOTE: The Waking Dream: Next Steps Toward Immersion Entertainment (Parry)	Grand Peninsula E	3:55 PM (HVEI-203)	Categorizing Art Viewing Behavior Using Fuzzy Logic (Fedorovskaya)	Grand Peninsula D
11:30 AM (AVM-109)	Measuring Natural Scenes SFR of Automotive Fisheye Cameras (Jakab)	Grand Peninsula D PROC	4:10 PM (COIMG-128)	Persistent Homology for Microstructure Manifold Construction (Mason)	Grand Peninsula C
(COIMG-123)	Super Resolution in Heterogeneous Array Cameras under Coherent and Partially Coherent Illumination: A Generative AI Approach (Figuerola)	Grand Peninsula C DNN	4:20 PM (HVEI-204)	You're in the Picture: Revisiting the Robustness of Perspective (Kubovy)	Grand Peninsula D
(MWSF-334)	Contribution of Residual Signals to the Detection of Face Swapping in Deepfake Videos (Tesse)	Grand Peninsula G DNN / MCV	4:30 PM (COIMG-129)	Dissipative Lagrangian Neural Networks for Materials Imaging and Simulation (Sundararaghavan)	Grand Peninsula C DNN
11:40 AM (HVEI-201)	Beyond Space and Time: Analysis of the Arcane Perceptual & Cognitive Effects in Ivan Vukadinov's Art at the Vatican Museums (Likova)	Grand Peninsula B	4:40 PM (HVEI-205)	Surreal Artist as Visual Neuroscientist: Analysis of Selected Works by Rene Magritte (Hamer)	Grand Peninsula D
(MLSJ-301)	Using Neural Networks for Compact Representation of Features with Singular Points in Projections of Surfaces on Radiographic Plane (Korobkin)	Grand Peninsula A DNN / MED	5:00 PM SYMP WIDE	Symposium Reception	The Grove
11:50 AM (AVM-110)	An Integrated and Fully Automated Test Solution for Automotive Cameras of Ultrawide Angle of View (Wang)	Grand Peninsula D	6:00 PM SYMP WIDE	FILM: Interthinking Art + Science	Grand Peninsula D
(COIMG-124)	Diffractive Processing of Visual Information (Ozcan)	Grand Peninsula C	Tuesday January 23		
11:55 AM (MWSF-335)	Efficient Temporally-Aware Deepfake Detection using H.264 Motion Vectors (Grönquist)	Grand Peninsula G PROC / DNN / MCV	8:45 AM XR	AI-mediated 3D Video Conferencing with Real-time 2D-to-3D Face Lifting (Nagano)	Grand Peninsula D
			8:50 AM (AVM-111)	Multi-Modal Pedestrian Detection via Dual-Regressor and Object-Based Training for One-Stage Object Detection Network (Wanchaitanawong)	Grand Peninsula E DNN / MCV
			(COIMG-130)	Mathematical Nuances of Gaussian-Process-Driven Autonomous Experimentation (Noack)	Grand Peninsula C
			(HPCI-183)	KEYNOTE High Performance Imaging Applications: At the Intersection of HPC and AI (Wahib)	Grand Peninsula F DNN
			(HVEI-206)	Entropy Ordered Shapes as Bivariate Glyphs (Holliman)	Grand Peninsula A PROC

PAPER SCHEDULE BY DAY/TIME

(IPAS-244)	X-ray Image Denoising for Baggage Screening Using Learning Based Methods (Sekhar)	Harbour B DNN / MCV
(IQSP-262)	Focal Talk: Project Paris Insight: Methodology (Macudzinski)	Grand Peninsula B
(MWSF-336)	Analyzing Quantitative Detectors for Content-Adaptive Steganography (Kaziakhmedov)	Grand Peninsula G
9:10 AM		
(AVM-112)	Exploring Object Detection and Image Classification Tasks for Niche Use Case in Naturalistic Driving Studies (Peruski)	Grand Peninsula E PROC / MCV
(COIMG-131)	Reinforcement Learning for Metals Powder Bed Fusion (Neopane)	Grand Peninsula C DNN
(HVEI-207)	Colour Perception and Aperture Sampling (Restrepo (Palacios))	Grand Peninsula A
(IPAS-245)	Image Restoration via Collaborative Filtering and Deep Learning (Xing)	Harbour B DNN / MCV
9:15 AM		
XR	Privacy-preserving Visual Sensing with Applications in XR (DavidJohn)	Grand Peninsula D
(MWSF-337)	Secure Payload Scaling for Source Adaptive Payload Allocation (Dworetzky)	Grand Peninsula G
9:20 AM		
(IQSP-259)	Benchmarking Motion Blur of Video-Frame-Interpolated Hybrid EVS+CIS against conventional CIS (Rana)	Grand Peninsula B
9:30 AM		
(AVM-113)	Efficient Fault Tolerant Architecture for Neural Network Compute (Jagannathan)	Grand Peninsula E DNN
(COIMG-132)	Evaluation of Information Content in 2D and 3D Microstructural Characterization of Brush Particle-Based Hybrid Materials (Abdullah)	Grand Peninsula C
(HVEI-208)	Perception of Tactile Attributes of Colored Texture Images (Rabbanifar)	Grand Peninsula A
(IPAS-246)	Towards Realistic Landmark-Guided Facial Video Inpainting Based on GANs (Lohesara)	Harbour B DNN / MCV
9:40 AM		
(IQSP-260)	Evaluating Camera Performance in Face-Present Scenes with Diverse Skin Tones (Borek)	Grand Peninsula B
(MWSF-338)	Prompting Steganography: A New Paradigm (Wu)	Grand Peninsula G PROC
9:45 AM		
XR	The Perfect 3D Shot: AI-driven Techniques for Stereoscopic Image Capture and Conversion (Fattal)	Grand Peninsula D
9:50 AM		
(AVM-365)	Urban Scene Reconstruction Based on Neural Rendering (Shen)	Grand Peninsula E
(COIMG-133)	Semantic Segmentation and Anomaly Identification of Binder Jet Powder Bed Images (Gourley)	Grand Peninsula C MCV
(HVEI-209)	Spatiotemporal Contrast Sensitivity Functions: Predictions for the Critical Flicker Frequency (Bozorgian)	Grand Peninsula A PROC

10:00 AM		
(IQSP-261)	From Video Conferences to DSLRs: An In-depth Texture Evaluation with Realistic Mannequins (Ventura)	Grand Peninsula B
10:40 AM		
(COIMG-134)	KEYNOTE: Quantitative Secondary Electron Yield Mapping in Ion-beam Microscopy (Goyal)	Grand Peninsula C
(HPCI-184)	High-performance Data Management for Computational Pathology (Leng)	Grand Peninsula F MED
(HVEI-210)	KEYNOTE: Design and Reality of the HDR Imaging Ecosystem (Atkins)	Grand Peninsula A HDR
(IPAS-247)	Predicting the Impact of Synthetic Data on High-confidence Infrared Image Detection with Latent Space Feature Vectors (Vaughan)	Harbour B DNN / MCV
(IQSP-263)	A Novel Deep Learning-Based Anomaly Detection Pipeline Optimized for Dark Blemish Pattern of Image Sensor (Lee)	Grand Peninsula B DNN
(MOBMU-311)	ACES Workflows in Epic Unreal 5 (Hasche)	Grand Peninsula E HDR
(MWSF-339)	Prediction of Flipped Bits in Robust Image Hashes by Machine Learning (Bunzel)	Grand Peninsula G DNN
10:45 AM		
XR	Volumetric Video Technology in Sports and Entertainment: Current Applications and Future Prospects (Wakozono)	Grand Peninsula D
11:00 AM		
(IPAS-248)	Examining the Effects of Compression on Deep Learning Remote Photoplethysmography (Sporrer)	Harbour B DNN / MED
(IQSP-265)	No-Reference Color Dot Artifact Assessment for Remosaiced Images (Han)	Grand Peninsula B DNN
(MOBMU-312)	Color Calibration for Multicolored Barcodes Using Smartphones (Bugert)	Grand Peninsula E
11:05 AM		
(MWSF-340)	Efficient Hash Lookup for PhotoDNA (Steinebach)	Grand Peninsula G
11:10 AM		
(MLSI-302)	Local Entropy Key Points for Materials Science Image Collation (Varley)	Grand Peninsula C
(HPCI-185)	Alleviating Tiling Effect by Random Walk Sliding Window in High-resolution Histological Whole Slide Image Synthesis (Bao)	Grand Peninsula F MCV

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11:15 AM (XR)	Interacting with XR	Grand Peninsula D and Regency	(CVAA-174)	Computational Estimation of Head Pose and Gender Through Large Corpora of Fine-art Portraits (Unlu)	Harbour B MCV
11:20 AM (HPCI-186)	Scalable Analysis of Giga-pixel WSI Images (Dash)	Grand Peninsula F	(HPCI-189)	Focal Talk: A Visual Cortex for Array Cameras (Jones Brady)	Grand Peninsula F
(HVEI-211)	JPIfirst: The Impact of Adaptation Time in High Dynamic Range Luminance Transitions (Zuena)	Grand Peninsula A PROC / HDR	(HVEI-213)	Perception in Mixed Reality Environments (Rogowitz)	Grand Peninsula A AR/VR
(IPAS-249)	Coverage Optimization for Training Data Enhancement of Ill-performing Classes (Park)	Harbour B DNN	(MLSI-305)	Recovering a Molecule's 3D Dynamics from Liquid-phase Electron Microscopy Movies (Ye)	Grand Peninsula E
(IQSP-266)	Focal Talk: Android Camera Apps: Designing in a Sea of Thousands of Cameras (Portmann)	Grand Peninsula B	(MWWSF-341)	A Novel Dataset for Non-Destructive Inspection of Handwritten Documents (Breci)	Grand Peninsula G PROC / MCV
(IMAGE-238)	Adapt to Distill or Distill to Adapt (Thomas)	Grand Peninsula E MCV	(MOBMU-313)	Generating Rich Media Posters for Interactive Hiking Trails to Promote Sustainable Tourism (Hasche)	Harbour A
(IPAS-250)	Lensless Phase Microscopy Imaging (Shevkunov)	Harbour B	(XR)	The Time for Immersive 6DoF Content is Now (Lempitsky)	Grand Peninsula D
11:30 AM (MLSI-303)	Combining Multimodal Fatigue Fracture Surface Image for Analysis with a CNN (Jones)	Grand Peninsula C DNN / MCV	3:50 PM (AVM-115)	Optimizing Ego Vehicle Trajectory Prediction: The Graph Enhancement Approach (Sharma)	Grand Peninsula B PROC / DNN
11:40 AM (HVEI-212)	Modeling Lightness and Color Perception of High Dynamic Range Stimuli (Rudd)	Grand Peninsula A HDR	(COIMG-137)	KEYNOTE: Understanding Microstructural Evolution in Additively Manufactured Materials by 3D X-ray Imaging (Sinclair)	Grand Peninsula C
(IMAGE-239)	Deep Learning-Based Defect Detection and Segmentation for Wood Plank Surfaces with Real-Time Tracking (Mohsin)	Grand Peninsula E DNN / MCV	(CVAA-175)	TextAlles: Color Manipulations in the Latent Space of StyleGAN3 (Schaefer)	Harbour B DNN / MCV
(HPCI-187)	Back-Projection Optimization: The Key to Tomographic Imaging (Chen)	Grand Peninsula F MED	(HVEI-214)	Egocentric Boundaries on Distinguishing Colliding and Non-Colliding Pedestrians while Walking in a Virtual Environment (Hwang)	Grand Peninsula A PROC / MED / AR/VR
(IPAS-251)	Spectral Rendering: From Input to Rendering Process (Kim)	Harbour B	(MLSI-306)	A Fully Differentiable Hydrodynamics Framework: Challenging Traditional ML for Optimization in Hydrodynamics (Lim)	Grand Peninsula E DNN
11:50 AM (MLSI-304)	A Lightweight Transformer for Faster and Robust EBSD Data Collection (Dong)	Grand Peninsula C DNN	(MOBMU-314)	Driver Monitoring System Using Deep Learning Techniques (Ibrahim)	Harbour A DNN
12:00 PM (IMAGE-240)	Motion-based Domain Randomization for Detecting Honeybees Inside a Hive (Ho)	Grand Peninsula E MCV	3:55 PM (MWWSF-342)	DeepMammo: Deep Learning Algorithm for Digital Mammogram Source Identification (Mohammadi)	Grand Peninsula G PROC / DNN / MED
(HPCI-188)	Accelerated Laminographic Image Reconstruction Using GPUs (Ma)	Grand Peninsula F	4:00 PM (XR)	Shipwreck Imaging for XR Applications (Woods)	Grand Peninsula D
(IPAS-367)	Depth-of-Field Guided Rendering for Light+Field Displays (Akbar)	Harbour B	4:10 PM (AVM-116)	An Approach to Recreate Large Virtual Environments for Use in Road Traffic Research (Miller)	Grand Peninsula B AR/VR
12:10 PM (COIMG-135)	Biomedical Ultrasound Computed Tomography Using Neural Full Waveform Inversion (Zeng)	Grand Peninsula C MED / MCV	(CVAA-176)	Distant Viewing Light Analysis of Figurative Paintings Using Spherical Harmonics (Ballesteros)	Harbour B
2:00 PM SYMP WIDE	PLENARY: Neural Radiance Fields (Barron)	Grand Peninsula D	(HPCI-190)	Focal Talk: The Image Systems Engineering Toolbox (Wandell)	Grand Peninsula F
3:30 PM (AVM-114)	Fusing Segmentation and Domain-knowledge Model to Extract Intersection Topologies from Aerial/terrestrial Orthographic Images (Vijverberg)	Grand Peninsula B MCV	(HVEI-215)	Digital Rear-view Mirrors with Augmented Reality in Comparison with Traditional Rear-View Mirrors (Zhang)	Grand Peninsula A AR/VR
(COIMG-136)	Automated, High-Throughput X-ray CT Characterization of Additively Manufactured Parts Using Deep Learning Based Algorithms (Ziabari)	Grand Peninsula C DNN	(MLSI-307)	Unpaired Deep Learning for Pharmacokinetic Parameter Estimation from Dynamic Contrast-Enhanced MRI (Oh)	Grand Peninsula E DNN / MED
			(MOBMU-315)	Impact of Elon Musk and Bill Gates Tweets on Tesla and Microsoft Stock Prices (Kochneva)	Harbour A

PAPER SCHEDULE BY DAY/TIME

4:20 PM				(HVEI-235)	Effect of Brightness and Size on Display Flicker Perception: Comparison with Flicker Indices (Kim)	Regency PROC
(COIMG-139)	Engineering Temporally Integrated Images for In Situ Monitoring and Analysis of Laser-Based Powder Bed Fusion Additive Manufacturing (Snow)	Grand Peninsula C		(HVEI-236)	Heaven on Earth Map: "As Above, So Below." (Couch)	Regency
(MWSF-343)	Sovereign Document Verification by Smartphones (Berchtold)	Grand Peninsula G		(HVEI-237)	User Performance and Quality of Experience for a Remote-controlled Lab-based Moving Platform (El Ouardi)	Regency
4:30 PM				(IPAS-252)	Automatic Reading Order Sequencing: A Novel Reading Order Generator for Text-Based Documents (Murshed)	Regency PROC
(CVAA-177)	Towards Artist Recognition Based on Material Rendering. A Case Study for Recognition of Rembrandt and Van Dyck (Huang)	Harbour B		(IPAS-253)	Data and Label Graph Fusion for Semi-supervised Learning: Application to Image Categorization (Baradaaji)	Regency PROC
(IQSP-267)	Quality of Experience of Virtual Reality-Based Communication Applications (Farias)	Grand Peninsula A AR/VR		(IPAS-254)	Novel Image Super-Resolution and Denoising Using Implicit Tensor-Product B-Spline (Horváth)	Regency PROC
(MLSI-308)	Applying Machine Learning to Detect Anomalies in Additive Manufacturing (Tronsen)	Grand Peninsula E DNN		(IPAS-255)	Scalable and Efficient Orchestration of Machine Learning Workloads on DSPs with Multi-level Memory Architecture (Sequeira)	Regency
(MOBMU-316)	Prototypical Implementation of an Accessible Vocabulary Trainer (Knobelsdorf)	Harbour A		(IMAGE-241)	Self-Attention Enhanced Recognition: A Unified Model for Handwriting and Scene-Text Recognition with Improved Inference (Patel)	Regency PROC
(XR)	Perspective-Correct VR Passthrough (Kuo)	Grand Peninsula D		(IMAGE-242)	Generalizing Handwriting and Scene-Text Detection in Images (Kim)	Regency PROC
4:40 PM				(IMAGE-243)	Neuro-Symbolic Ensembles for Assistance at the Edge (Price)	Regency
(COIMG-140)	Benefit of X-ray Imaging to Improve Additive Manufacturing (Obaton)	Grand Peninsula C		(ISS-292)	Magic Lantern as a Platform for Digital Photography Research (Eberhart)	Regency
4:50 PM				(MLSI-310)	Segmentation of Starch Granules in Microscopic Images Using a U-Net Model (Jin)	Regency
(CVAA-178)	The Use of Transfer Learning for the Analysis of Paintings by Raphael (Ugail)	Harbour B DNN / MCV		(MOBMU-325)	AI-based Cybersecurity Management Consulting - A New Disruptive Technology for the Future (Schwarz)	Regency
(HPCI-191)	Taking Pictures of Planetary Interiors Using Powerful Computers (Olugboji)	Grand Peninsula F		(MOBMU-326)	Vulnerability Management Using Open-Source Tools (Shivananjappa)	Regency
	HVEI Poster Previews	Peninsula A		(MOBMU-327)	Contribution of Machine Learning in the Field of Renewable Energy (Posashkova)	Regency
(MLSI-309)	What's Wrong with End-to-end Deep Learning Methods for Phase Retrieval? (Zhang)	Grand Peninsula E DNN		(MOBMU-328)	OSINT-Based Email Investigation (Mhatre)	Regency
(MOBMU-317)	JISTfirst: Development and Implementation of an Augmented Reality Thunderstorm Simulation for General Aviation Weather Theory Training (Wang)	Harbour A PROC / AR/VR		(VDA-363)	Interactive High-dimensional Audiovisual Feature Analysis of Live Song Concert Videos (Diehl)	Regency
5:00 PM				(VDA-364)	Data Analysis and Visualization of Crime Data (Sharma)	Regency PROC
(COIMG-141)	Model-based Deep Learning with a CNN Prior for Sparse-view Cone-beam CT Reconstruction of Additively Manufactured Objects (Pramanik)	Grand Peninsula C DNN				
(XR)	Group Discussion— Imaging for XR 2025	Grand Peninsula D				
5:10 PM						
(CVAA-179)	Vision Transformers and Synthetic Image Augmentation in Art Authentication (Schaefer)	Harbour B DNN / MCV				
5:30 PM						
SYMP WIDE	Interactive Paper Poster Session, Demonstration Session, and Exhibit Happy Hour	Regency				
(COIMG-161)	Detection of Multiple Fluorescent Dyes Using Liquid-Crystal Variable Retarder and Sparse Modeling (Fujiwara)	Regency PROC				
(COIMG-162)	Open Set Domain Adaptation for Image Classification with Multiple Unknown Labels Using Unsupervised Clustering in a Target Domain (Nishihara)	Regency				
(HVEI-234)	Perceptual Experiment for Searching the Spatial Frequency Threshold Depending on Pixel Design (Yeom)	Regency PROC				

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Wednesday January 24

8:50 AM					
(COLOR-163)	Experimental Study on Reducing Wavelength Dependency of Spatial Resolution Characteristics of a Digital Camera by MTF Correction (Ando)	Grand Peninsula A PROC	(VDA-357)	JISTfirst: Kiviat Defense: An Empirical Evaluation of Visual Encoding Effectiveness in Multivariate Data Similarity Detection (Mantovani)	Harbour A PROC
(HPCI-192)	KEYNOTE: Scientific Machine Learning for Computational Wave Imaging Problems: from Carbon Zero Emissions to Breast Cancer Detection (Lin)	Grand Peninsula F DNN	(HPCI-193)	Automatic Optimization for Fast Convolution for SIMD Architecture (Chen)	Grand Peninsula F
(HVEI-216)	Study on the Relationship Between Quality and Acceptability Annoyance (AccAnn) of UGC Videos (David)	Grand Peninsula D	9:50 AM		
(ISS-280)	Comparison of SFR and Edge Artifacts Between Single Photodiode and Split Photodiode Pixels in HDR Image Sensors (Li)	Grand Peninsula B HDR	(COLOR-166)	Color Calibration Methods for OLED Displays (Ashraf)	Grand Peninsula A
(MOBMU-318)	OSINT for Critical Infrastructure Protection – Electricity Sector (Ecevit)	Grand Peninsula G	(COIMG-144)	Gradient-Based Image Visualization for Noisy LWIR Image (Nakano)	Grand Peninsula C PROC / DNN
(SDA-349)	The Effect of Stereoscopic Depth Distortion on the Near Oculomotor Response (Seemiller)	Grand Peninsula E	(HVEI-219)	Metric Thresholds for Acceptance and Annoyance of User Generated Video Content (Ak)	Grand Peninsula D
(VDA-356)	KEYNOTE: Toward the Use of Immersive Technologies for Interactive Visualization (Wischgoll)	Harbour A AR/VR	(ISS-283)	Intracell Capacitances in Pixel-Level Hybrid Bond Image Sensor Cells (Axelrad)	Grand Peninsula B PROC
9:10 AM			(MOBMU-321)	Financial Security Management: A Comprehensive Study of Cryptocurrency Forensics (Gandhi)	Grand Peninsula G
(COLOR-164)	Double Binnable LMS and RGBW Color Filter Arrays (Singh)	Grand Peninsula A	(SDA-352)	What Do We Know About Apple's New Spatial Video Format? (Woods)	Grand Peninsula E
(COIMG-142)	Leveraging Pixel Value Certainty in Pixel-Shift and Other Multi-Shot Super-Resolution Processing (Dietz)	Grand Peninsula C	(HPCI-194)	JISTfirst: Digital Modeling on Large Kernel Metamaterial Neural Network (Liu)	Grand Peninsula F PROC / DNN
(HVEI-217)	Comparison of Subjective Methodologies for Local Perception of Distortion in Videos and Impact on Objective Metrics Resolving Power (Pastor)	Grand Peninsula D	10:40 AM		
(ISS-281)	Modeling and Reducing Energy Consumption of Computational Image Sensors: A Case Study on Gaze Tracking (Zhu)	Grand Peninsula B	(COLOR-167)	Characterisation of Color Enhancing Screen Printing Technique with RGBW Interference Pigments (Pranovich)	Grand Peninsula A
(MOBMU-319)	Automated Tools for Cloud Security Testing (Ghazizadeh)	Grand Peninsula G	(COIMG-145)	KEYNOTE: Breaking Boundaries in AM: The Dynamic Duo of Process Development and Closed Loop Control in Laser Powder Bed Fusion (Saharan)	Grand Peninsula C
(SDA-350)	Automatic Stereograph Feature Detection (Routhier)	Grand Peninsula E	(HPCI-195)	Facilitating Efficient Scientific Data Streams through High-End Data Transfer Nodes (Bicer)	Grand Peninsula F
9:30 AM			(HVEI-220)	KEYNOTE: Quality Assessment in Contest: The QoE Way Towards Sustainable Media Consumption (Le Callet)	Grand Peninsula D
(COLOR-165)	Camera Color Correction Using Splines (Suominen)	Grand Peninsula A	(ISS-284)	KEYNOTE: Passing the Visual Turing Test with Holographic Displays (Kuo)	Grand Peninsula B
(COIMG-143)	Multimodal Deep Learning Approach for Dynamic Sampling with Automatic Feature Selection in Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry Imaging (Helminiak)	Grand Peninsula C PROC / DNN	(IRIACV-276)	Synthetic Data Generation for AI-based Machine Vision Applications (Seiler)	Grand Peninsula G DNN / MCV
(HVEI-218)	Advancing Video-Wise Just Noticeable Difference (VWJND): Innovative Strategies for Dataset Collection, Procedure Optimization, and Comparative Analysis of Video Quality Metrics (Zhu)	Grand Peninsula D		SD&A Discussion Forum: 3D Video Streaming—Solutions and Opportunities (Woods)	Grand Peninsula E
(ISS-282)	Single Slope Single Ramp Column ADC with Digital CDS for CMOS Image Sensors (Santos)	Grand Peninsula B	(VDA-358)	One Model that Fits Them All: Psychometrics with Generalized Linear Mixed Effects Models (Ju)	Harbour A DNN
(MOBMU-320)	Sanitization Tool for Compromised Social Media Account after Recovery and Its Aftermath (Tapara)	Grand Peninsula G DNN	11:00 AM		
(SDA-351)	Successful One Man, Low Cost, 3D CGI Feature Film Conversion (Criado)	Grand Peninsula E	(COLOR-170)	Investigating Consistency of Color Appearance Using Different Reproduction Approaches (Zunjarrao)	Grand Peninsula A
			(HPCI-196)	High-performance Data Loader for Large-scale Data Processing (Martinez-Noriega)	Grand Peninsula F
			(IRIACV-277)	Unsupervised PCB Anomaly Segmentation with Foundational Models (Ho)	Grand Peninsula G DNN / MCV
			(VDA-359)	Creating Visual Persona Profiles in Telegram Using NLP (Choi)	Harbour A

PAPER SCHEDULE BY DAY/TIME

11:10 AM (COIMG-138)	Multimodal Registration and Fusion of In Situ and Ex Situ Process Monitoring Data: A Case Study in Laser Powder Bed Fusion (Donegan)	Grand Peninsula C
11:20 AM (COLOR-168)	Equalization of Appearance Using Individualized Unique Hues (Shen)	Grand Peninsula A PROC
(HPCI-197)	Asynchronous Tensor Decomposition Applied in High Performance Image Processing (Zhou)	Grand Peninsula F
(HVEI-221)	Color Perception-Driven Energy Optimization for Virtual Reality: Displays and Image Encoding (Zhu)	Grand Peninsula D AR/VR
(ISS-285)	Adaptive Bit Depth Control for Neural Network Quantization (Seo)	Grand Peninsula B DNN
(IRIACV-278)	Real-time Cattle Intake Monitoring Using Stereo Vision (Rao)	Grand Peninsula G MCV
(VDA-360)	Evaluating the Recommendations of LLMs to Teach a Visualization Technique Using Bloom's Taxonomy (Joshi)	Harbour A DNN
(VDA-361)	Interactive Media Planning Data Visualization (Ljubojevic)	Harbour A
11:30 AM (COIMG-147)	Generative Denoising Models for Material Science Applications (Fernandez-Zelaia)	Grand Peninsula C DNN
11:40 AM (COLOR-169)	A Method for Estimating Spectral Reflectance from Camera Responses Using Local Optimal Dataset and Neural Network (Tominaga)	Grand Peninsula A DNN
(HVEI-222)	Study on Effect of Display Layout for Web Conferencing Services on Subjective Evaluation Stability (Kawashima)	Grand Peninsula D
(ISS-286)	Joint Design of Camera Spectral Sensitivity and Color Correction Matrix with Noise Consideration (Yu)	Grand Peninsula B
(IRIACV-279)	Mobile 3D Mapping of Erdstall Facilities (Edlinger)	Grand Peninsula G PROC
(SDA-353)	Comparative Analysis of User Experience in Virtual Reality (VR) and Mixed Reality (MR) Systems Using Eye-Tracking Measurements (Banchi)	Grand Peninsula E PROC / AR/VR
11:50 AM (COIMG-148)	On the Development of Acoustic Melt Pool Monitoring Techniques Assisted by High-speed Synchrotron X-rays (Stobbe)	Grand Peninsula C
12:00 PM (HVEI-223)	Background- and Ambient-aware Image Visibility Enhancement for Transparent Displays (Ryu)	Grand Peninsula D
(SDA-354)	Virtual Reality (VR) Space for Radiation Oncology Education and Collaborative Learning (Sandhu)	Grand Peninsula E MED / AR/VR
(VDA-362)	RAIV: Researchable Archives for Interactive Visualizations (Price)	Harbour A PROC
12:10 PM (COIMG-149)	Classification of Melt Pool Boundaries and Defects through Dual-energy X-ray CT of Crept Additively Manufactured Parts (Rahman)	Grand Peninsula C
12:30 PM (COIMG-368)	3D Printing Images Defect Detection and Classification Supported by Generative AI Models (Peles)	Grand Peninsula C
2:00 PM SYMP WIDE	PLENARY: Imaging the Universe: NASA Space Telescopes from James Webb to Nancy Grace Roman and Beyond (Howard)	Grand Peninsula D
3:30 PM (COLOR-173)	JIST-first: Spectral Estimation: Its Behaviour as a SAT and Implementation in Colour Management (Habib)	Grand Peninsula A PROC
(COIMG-150)	JIST-first: Computational Image Formation: Simulators in the Deep Learning Era (Chan)	Grand Peninsula C PROC / DNN
(IQSP-268)	Evaluation of Subjective Video Quality of Television Displays (Pei)	Grand Peninsula D PROC
(ISS-287)	Simulation of Indirect Time of Flight Pixel Using High-frequency Operation Low-voltage Trench Gates (Lopes)	Grand Peninsula B
(MOBMU-322)	Automatic Deep Neural Network Model Surgery for Embedded Devices (Agarwal)	Grand Peninsula G DNN / MED
(SDA-355)	VR Visualization of Avian-Human Perspectives for Co-Design Practices supporting Empathy Building and Perspective Shifts (Simpson)	Grand Peninsula E AR/VR
(HPCI-198)	Rapid and Scalable Training for Ultra-Long Sequence Vision Transformer for Imaging Applications (Wang)	Grand Peninsula F DNN / MCV
3:50 PM (COLOR-172)	JIST-first: Spatio-Temporal Retinex-Inspired Envelopes with Anisotropic Diffusion (Sagvold)	Grand Peninsula A PROC
(COIMG-151)	Beyond RISC - Next-generation Compute Architecture for Computational Imaging (Goma)	Grand Peninsula C
(IQSP-269)	Quantified Impact of Key System Parameters on the Diffraction Quality in Displays (Kwon)	Grand Peninsula D
(ISS-288)	A Dynamic-Range Extension Technique with Linear-Logarithmic Response for Short-Pulse Time-of-Flight Image Sensors (Okuyama)	Grand Peninsula B HDR
(MOBMU-323)	Probabilistic Time Series Forecasting with Transformer Models (Bornstädt)	Grand Peninsula G DNN
(ERVR-180)	JIST-first: Spatial Analysis and Visual Communication of Emergency Information through Augmented Reality (Sharma)	Grand Peninsula E PROC / AR/VR

KEY TO VIRTUAL TRACKS AND PUBLISHED PAPERS

Papers with the following designation are available for download on the IS&T Digital Library:

JIST-first @ library.imaging.org/jist

JPH-first @ library.imaging.org/jpi

PROC @ library.imaging.org/ei

Virtual Tracks Key

Papers from across the conferences that are related to the following categories are designated as noted.

AR/VR = AR/VR and Simulate Environments

DNN = DNNs/Machine Learning

HDR = High Dynamic Range

MCV = Machine/Computer Vision

MED = Medical

PAPER SCHEDULE BY DAY/TIME

(HPCI-199)	Efficient Distributed Sequence Parallelism for Transformer-based Image Segmentation (Lyngaas)	Grand Peninsula F DNN / MCV
4:10 PM		
(COIMG-152)	PSF Engineering for Edge Sensing (Antipa)	Grand Peninsula C
(COLOR-171)	Visual Assimilation Illusions: Perceptions or Optics? (McCann)	Grand Peninsula A
(HVEI-224)	Adapting Pretrained Networks for Image Quality Assessment on High Dynamic Range Displays (Chubarau)	Grand Peninsula D HDR / DNN
(ISS-289)	Joint Parameter Estimation for Event-based Vision Sensor Characterization (Mou)	Grand Peninsula B
(MOBMU-324)	Review of ChatGPT's Domain-Tailoring Techniques (Ahmed)	Grand Peninsula G DNN
(ERVR-181)	Real-time Stereoscopic Image-parallel Path Tracing (Leria)	Grand Peninsula E PROC
4:30 PM		
(COIMG-153)	Reconstruction of Phase and Temperature Maps from Energy-resolved Neutron Imaging (Tremisn)	Grand Peninsula C MCV
(HVEI-225)	Image Quality Assessment across Viewing Distances: A Comparison Study of CSF-based and Rescaling-based Metrics (Hammou)	Grand Peninsula D
(ISS-290)	Dynamic Low Bit-Depth Quanta Video Imaging with Recurrent Restoration (Chennuri)	Grand Peninsula B
(ERVR-182)	Interactive Aviation Maintenance Classroom (Starr)	Grand Peninsula E PROC / AR/VR
4:50 PM		
(COIMG-154)	Bio-Inspired Methods for Efficient Visual Sensing (Alexander)	Grand Peninsula C
5:10 PM		
(COIMG-155)	Mobile Aware Computational Imaging (Li)	Grand Peninsula C
5:40 PM		
	Panel Discussion: The Future of Computational Imaging	Grand Peninsula C DNN / MCV
Thursday January 25		
9:00 AM		
(HVEI-226)	KEYNOTE: From Neurons to Pixels, to Neurons Again (Patney)	Grand Peninsula A DNN
9:20 AM		
(COIMG-156)	Accurate Efficient Multispectral Spatiotemporal Image Reconstruction Using Neural Field Representations (Lozenski)	Grand Peninsula C DNN / MCV
(IQSP-270)	Lens Flare Measurement for RGB Black-box Camera (Chanas)	Grand Peninsula B
9:40 AM		
(COIMG-157)	Neural Deconvolution and Rendering for Synthetic Aperture Sonar (Jayasuriya)	Grand Peninsula C MCV
(HVEI-227)	Focal Talk: Comprehensive Insights into Psychological Image Quality: Addressing Ecological Validity and Emotional Content (Leszczuk)	Grand Peninsula A DNN
(IQSP-271)	Recommendations for the Detection and Analysis of the ISO 12233:2023 e-SFR Slanted Star (Kerr)	Grand Peninsula B

10:00 AM		
(COIMG-158)	Implicit Neural Representation for Tomographic Imaging (Sun)	Grand Peninsula C MED / MCV
(HVEI-228)	One Number to Describe Them All (Janowski)	Grand Peninsula A
(IQSP-272)	Advancing Hyperspectral Imaging Endoscopes (HySE): A Comprehensive Performance Evaluation Approach (Mazdeyasna)	Grand Peninsula B MED
10:40 AM		
(COIMG-159)	Implicit Representation for Motion-Resolved Computed Tomography (Gupta)	Grand Peninsula C MED / MCV
(HVEI-229)	Aesthetics and Entropy. IV. Image Composition and Content (Sahyun)	Grand Peninsula A
(IQSP-273)	Luminance and Color Accuracy of Prosumer and Mobile Phone Cameras for High Dynamic Range Imaging in Cultural Heritage Documentation (Humenuck)	Grand Peninsula B HDR
11:00 AM		
(COIMG-160)	Maximum Likelihood-based Phase-Retrieval Using Fresnel Propagation Forward Models with Optional Constraints (Mohan)	Grand Peninsula C
(HVEI-230)	Analysis of User Preferences for Film Grain Noise in Images and Video Sequences (Guo)	Grand Peninsula A
(IQSP-274)	Assessment of Dynamic Range and Noise in a Natural-scene Image (Jeon)	Grand Peninsula B HDR
11:20 AM		
(HVEI-231)	JPIfirst: Mid-level Characteristics of Drawings Made by Observers with Aphantasia (Balas)	Grand Peninsula A PROC / MED
(IQSP-275)	Objective Color Characterization of HDR Videos Captured by Smartphones: Laboratory Setups and Analysis Framework (Tigranyan)	Grand Peninsula B HDR
11:40 AM		
(HVEI-232)	Towards Enhancing Ecological Validity in QoE User Studies (Subramanian)	Grand Peninsula A
12:00 PM		
(HVEI-233)	How AI Image Synthesis Changes the Role of Vision Science in Imaging Applications (Daly)	Grand Peninsula A DNN / MCV