Learning beyond Deep Learning (LBDL) II

Workshop Program
Thursday, September 17, 2026

Video Processing (08:40–10:48)

08:40 – 08:58	4189	Efficient Causal Video Restoration with Learned Classical Filter Control
08:58 – 09:16	4271	Handling Visual Panic: A Traffic-Theoretic Approach to Hierarchical Edge Video Analytics
09:16 – 09:34	4109	Sequence-Level Context Modeling for Continuous Sign Language Recognition
09:34 – 09:52	4026	Beyond Attention Scores: SVD-Based Vision Token Pruning for Efficient Vision-Language Models

Coffee Break (10-10:30)

Video Processing (continued)

10:30 – 10:48	4332	Collaborative Perception For Autonomous Driving: From Virtual To Real Datasets

Image Processing (10:48–12:18)

10:48 – 11:06	4041	PVSM++: Parallel Vision Multiscale Spatial Mamba for Medical Image Segmentation
11:06 – 11:24	4035	Generalizing Wound Healing Segmentation: From Semi-Automatic Annotation to Robust Inference
11:24 – 11:42	4261	ABAS-RAL: Adaptive BAtch Size using Reinforced Active Learning
11:42 – 12:00	4102	Instance-Aware Data Selection for Object Detection
12:00 – 12:18	4099	IHC Image Quantification with Green U-Shaped Learning

Lunch Break (12:30-1:30pm)

Learning Algorithms and Applications (13:30–15:36)

13:30 – 13:48	3790	SDGS: Scalable Dilated Graph with Grouped Structure for Image Restoration
13:48 – 14:06	3904	Beyond Increasing Complexity: A Systematic Analysis of UNet Design Choices in a Paired Virtual Staining Setting
14:06 – 14:24	4221	A Discriminative Multiple Correlation Convolution Neural Network for Multi-View Feature Representation
14:24 – 14:42	3955	Geometry Before Learning: Training-Free Panoramic Segmentation by Targeted Projection Repair
14:42 – 15:00	4027	SmallPatchCore: Soft Patch Querying for PatchCore Anomaly Scoring
15:00 – 15:18	4296	Closed-world Edge Dimensioning: Engset-based resource optimization for spatial micro-zones in industry 4.0
15:18 – 15:36	4245	SSMER+: Self-Supervised Multi-Event Representation Learning for Event-Based Face Detection

Each talk: 18 minutes including Q&A.