Program for RWS at WACV 2024
Jan 7th 2024

Time (HST), Topic, Presenter

09:00-09:05 Opening, Anthony Hoogs.

09:05-09:45 Invited talk 1:
Issues on Human Tracking: from 2D to 3D inferences, *Rita Cucchiara, Director of AI Research and innovation Center, University of Modena and Reggio Emilia, Italy***.**

09:45-10:17 Poster Session (each paper will have two minutes for online presentation):

Paper id 4: **Accenture-MM1: A Multimodal Person Recognition Dataset**, *Kyle O'Brien*.
Paper id 6: **LiDAR-Assisted 3D Human Detection for Video Surveillance**, *Miquel Romero* Blanch.
Paper id 8: **A Multi-Head Approach with Shuffled Segments for Weakly-Supervised Video Anomaly Detection**, *Salem AlMarri*.
Paper id 11: **Person Fall Detection Using Weakly Supervised Methods**, *Zenjie Li.*
Paper id 17: **HOD: New Harmful Object Detection Benchmarks for Robust Surveillance**, *Eungyeom Ha*.
Paper id 19: **Swin on Axes: Extending Swin Transformers to Quadtree Image Representations**, *Marc Oliu Simon.*
Paper id 21: **Overlooked Video Classification in Weakly Supervised Video Anomaly Detection**, *Weijun Tan*.
Paper id 23: **Investigation of UAV Detection in Images with Complex Backgrounds and Rainy Artifacts**, *Abdul Jabbar Siddiqui.*
Paper id 27: **Enhancing Self-supervised Monocular Depth Estimation via Piece-Wise Pose Estimation and Geometric Constraints**, *Hyunjin Yoo*.
Paper id 31: **Identifying Loitering Behavior with Trajectory Analysis**, *Johnny Núñez.*
Paper id 35: **FedFSLAR: A Federated Learning Framework for Few-shot Action Recognition**, *Nguyen Anh Tu*.
Paper id 36: **Filter-Pruning of Lightweight Face Detectors Using a Geometric Median Criterion**, *Vasileios Mezaris.*
Paper id 39: **Security Fence Inspection at Airports Using Object Detection**, *Nils Friederich*.
Paper id 41: **TextAug: Test time Text Augmentation for Multimodal Person Re-identification**, *Mulham Fawakherji.*
Paper id 47: **C2T-Net: Channel-Aware Cross-Fused Transformer-style Networks for Pedestrian Attribute Recognition**, *Bui Cao Doanh*.

10:15-10:30 Break

Oral Presentations: Session 1 (15 min time slot for each paper, including 3 min for Q&A)
10:30-10:45 Paper id: 2, **EarlyBird: Early-Fusion for Multi-View Tracking in the Bird's Eye View**, *Torben Teepe*.

10:45-11:00 Paper id: 13, **GEFF: Improving Any Clothes-Changing Person ReID Model using Gallery Enrichment with Face Features**, *Bar Cohen*.
11:00-11:15 Paper id: 14, **Iterative Scale-Up ExpansionIoU and Deep Features Association for Multi-Object Tracking in Sports**, *Hsiang-Wei Huang*.

11:15-11:40 Invited talk 2:
Human-in-the-loop pipelines for surveillance systems: real-time and non-real time applications, *Iva Gumnishka, CEO of Humans In The Loop, Bulgaria*.

Oral Presentations: Session 2
11:40-11:55 Paper id: 15, **Temporal 3D Shape Modeling for Video-based Cloth-Changing Person Re-Identification**, *Dustin Nguyen*.
11:55-12:10 Paper id: 22, **Unsupervised 3D Skeleton-Based Action Recognition using Cross-Attention with Conditioned Generation Capabilities**, *David Lerch*.
12:10-12:25 Paper id: 29, **Spatio-Temporal Activity Detection via Joint Optimization of Spatial and Temporal Localization**, *Robert Laganiere*.

12:25-14:00 Lunch break

14:00-14:45 Invited talk 3:
Trustworthy Object Re-Identification, *Zhun Zhong, Assistant Professor,* University of Nottingham, UK.

Oral Presentations: Session 3
14:45-15:00 Paper id: 33, **Unsupervised Person Re-identification in Aerial Imagery**, *Dustin Nguyen*.
15:00-15:15 Paper id: 37, **Enhancing Skeleton-Based Action Recognition in Real-World Scenarios through Realistic Data Augmentation**, *Mickael Cormier*.
15:15-15:30 Paper id: 38, **Evaluating Supervision Levels Trade-Offs for Infrared-Based People Counting**, *David Latortue & Moetez Kdayem*.
15:30:15:45 Paper id: 42, **Knowledge-Distillation-Based Label Smoothing for Fine-Grained Open-Set Vehicle Recognition**, *Stefan Wolf.*
15:45-16:00 Paper id: 49, **UPAR Challenge 2024: Pedestrian Attribute Recognition and Attribute-based Person Retrieval - Dataset, Design, and Results**, *Andreas Specker & Mickael Cormier.*
One Online Poster Presentation:
16:00-16:02 Paper id 46: **Aerial View 3D Human Pose Estimation using Double Vector Quantized-Variational AutoEncoders**, *Juheon Hwang*.

16:02-16:15 Break

16:15-16:45 Invited Talk 4:
Do AI models need to be perfect?, *Ben Rowe, Cloud and Security Architect, Arcules, USA.*

16:45 Closing, Anthony Hoogs.