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WACV20: Oral 3A: Applications 1



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00:00 SVIRO: Synthetic Vehicle Interior Rear Seat Occupancy Dataset and Benchmark Steve Dias Da Cruz (IEE S.A.)*; Oliver Wasenmüller (DFKI); Hans-Peter Beise (Trier University of Applied Sciences); Thomas Stifter (IEE S.A.); Didier Stricker (DFKI)

03:05 ADNet: Adaptively Dense Convolutional Neural Networks Mingjie Wang (Memorial University of Newfoundland); Minglun Gong (University of Guelph)*

05:54 Exploring 3 R's of Long-term Tracking: Redetection, Recovery and Reliability Shyamgopal Karthik (IIIT Hyderabad)*; Abhinav Moudgil (IIIT Hyderabad); Vineet Gandhi (IIIT Hyderabad)

08:56 The Overlooked Elephant of Object Detection: Open Set, Akshay Raj Dhamija (University of Colorado Colorado Springs)*; Manuel Günther (UCCS); Jonathan Ventura (California Polytechnic State University); Terrance E Boulton (UCCS)

11:59 Probabilistic Object Detection: Definition and Evaluation David R Hall (Queensland University of Technology)*; Feras Dayoub (Queensland University of Technology); John Skinner (Queensland Univ of Technology); Haoyang Zhang (Queensland Univ of Technology); Dimity Miller (Queensland Univ of Technology); Peter Corke (Queensland Univ of Technology); Gustavo Carneiro (University of Adelaide); Anelia Angelova (Google); Niko Suenderhauf (Queensland Univ of Technology)

15:01 DeepPTZ: Deep Self-Calibration for PTZ Cameras Chaoning Zhang (KAIST)*; Francois Rameau (KAIST); Junsik Kim (Korea Advanced Institute of Science and Technology (KAIST)); Dawit Mureja Argaw (KAIST); Jean-Charles Bazin (KAIST); In So Kweon (KAIST)

18:05 Self-Orthogonality Module: A Network Architecture Plug-in for Learning Orthogonal Filters Ziming Zhang (MERL); WENCHI MA (University of Kansas)*; Yuanwei Wu (The University of Kansas); Guanghui Wang (The University of Kansas); Alan Sullivan (MERL)

21:08 Evaluation of Image Inpainting for Classification and Retrieval Samuel G Black (Temple University)*; Somayeh Keshavarz (Temple University); Richard Souvenir (Temple University)

24:12 Adversarial Examples for Edge Detection: They Exist, and they Transfer Christian A Cosgrove (Johns Hopkins University)*; Alan Yuille (Johns Hopkins University)

27:15 Spatio-Temporal Pyramid Graph Convolutions for Human Action Recognition and Postural Assessment Behnoosh Parsa (University of Washington)*; Athmanarayanan Lakshmi narayanan (Honda Research Institute); Behzad Dariush (Honda Research Institute US)

30:18 Towards Good Practice for CNN-Based Monocular Depth Estimation, Zhicheng Fang (ETHZ)*; Xiaoran Chen (ETH Zurich); Yuhua Chen (ETH Zurich); Luc Van Gool (ETH Zurich)

33:20 I-MOVE: Independent Moving Objects for Velocity Estimation Jonathan W Schwan (University of Colorado Colorado Springs)*; Akshay Raj Dhamija (UCCS); Terrance E Boulton (UCCS)

36:23 Real-time lead vehicle distance estimation using single view geometry assisted by deep learning Ahmed Ali (KeepTruckin); Ali Hassan (KeepTruckin)*; Afsheen Rafiqat Ali (Keep Truck In); Hussam Khan (KeepTruckin); Wajahat Kazmi (KeepTruckin Inc); Aamer Zaheer (KeepTruckin)

39:26 SmartOverlays: A Visual Saliency Driven Label Placement for Intelligent Human-Computer Interfaces Srinidhi Hegde (TCS Research)*; Jitender Maurya (TCS Research); Aniruddha Kalkar (Walchand College of Engineering Sangli); Ramya Hebbalaguppe (TCS Research)

42:31 Class-incremental Learning via Deep Model Consolidation Junting Zhang (University of Southern California)*; Jie Zhang (Arizona State University); Shalini Ghosh

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- 45:32 Cooperative Initialization based Deep Neural Network Training Pravendra Singh (IIT Kanpur)*; Munender Varshney (IIT Kanpur); Vinay P Namboodiri (IIT Kanpur)
- 48:36 Self-Growing Spatial Graph Networks for Pedestrian Trajectory Prediction Sirin Haddad *; Siew-Kei Lam (Nanyang Technological University)
- 51:38 ImaGINator: Conditional Spatio-Temporal GAN for Video Generation Yaohui WANG (INRIA)*; Piotr Bilinski (University of Warsaw); Francois Bremond (Inria Sophia Antipolis, France); Antitza Dantcheva (INRIA)
- 54:36 One-to-one Mapping for Unpaired Image-to-image Translation Zengming Shen (University of Illinois at Urbana Champaign)*; S. Kevin Zhou (Institute of Computing Technology, Chinese Academy of Sciences); Yifan Chen (UIUC); Bogdan Georgescu (Siemens Healthineers); Xuqi Liu (Rutgers University); Thomas Huang (UIUC)
- 57:45 ViP: Virtual Pooling for Accelerating CNN-based Image Classification and Object Detection ZHUO CHEN *; Jiyuan Zhang ; Ruizhou Ding ; Diana Marculescu (Carnegie Mellon University)
- 01:00:49 Learn a Global Appearance Semi-Supervisedly for Synthesising Person Images Fei Chen *; Zhipeng Ge; Yu Zhou ; Yao Yu ; Sidan Du (Nanjing University)

Chapters

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The Overlooked Elephant of Object...

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Probabilistic Object Detection: Definition...

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DeepPTZ: Deep Self-Calibration for PTZ...

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Self-Motion Compensation for PTZ...

Transcript

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