

2015 12th IEEE International Conference on Advanced Video and Signal Based Surveillance (AVSS 2015)

**Karlsruhe, Germany
25-28 August 2015**



**IEEE Catalog Number: CFP15AVS-POD
ISBN: 978-1-4673-7633-4**

WORKSHOP DAY

TUESDAY,

AUGUST 25TH, 2015

WORKSHOP TRACK 1: TRAFFIC AND VEHICLE SURVEILLANCE

09:00 – 10:30 – **3RD WORKSHOP ON VEHICLE RETRIEVAL IN SURVEILLANCE (VRS) – SESSION 1**

Session Chair: Lisa Brown

Introductory Remarks

Lisa Brown (IBM, US)

Invited Talk: A Large-Scale Car Dataset for Fine-Grained Categorization and Verification

Linjie Yang, Chinese (University of Hong Kong, China)

Automatic Detection of Long-Term Parked Cars

Vincenzo Carletti, Pasquale Foggia, Antonio Greco, Alessia Saggese, and Mario Vento (University of Salerno, Italy)

Detection of entry and exit zones in image sequences for automatic traffic analysis

Kannikar Intawong, Mihaela Scuturici, and Serge Miguet (Universite de Lyon, France)

PLSA-based Sparse Representation for Vehicle Color Classification

Ssu-Ying Wang, Jun-Wei Hsieh, Yilin Yan, (National Taiwan Ocean University), Li-Chih Chen (Lee-Ming Institute of Tech.), and Duan-yu Chen (Yuan-Ze University)



WORKSHOP TRACK 1: TRAFFIC AND VEHICLE SURVEILLANCE

10:50 – 12:30 – **3RD WORKSHOP ON VEHICLE RETRIEVAL IN
SURVEILLANCE (VRS) – SESSION 2**

Session Chair: Lisa Brown

Invited Talk: Anthony Hoogs, Kitware Inc.

Automatic Vehicle Tracking and Recognition from Aerial Image Sequences
Ognjen Arandjelovic (University of St Andrews, Scotland)

**Balancing Robustness and Information Abundance via Self-diagnosing
in Traffic Surveillance Video Analysis**
Hsu-Yung Cheng and Luo-Wei Tsai (National Central University, Taiwan)

ARGOS-Venice Boat Classification
Domenico D. Bloisi, Luca Iocchi, Andrea Pennisi (Sapienza University of Rome, Italy),
and Luigi Tombolini (Archimedes Logica SRL)

Vehicle Identification Using Distance-based Appearance Model
Huang-Chia Shih and Hao-You Wang, Innovation Center for Big Data
and Digital Convergence, Taiwan

WORKSHOP DAY
TUESDAY, AUGUST 25TH, 2015

WORKSHOP TRACK 1: TRAFFIC AND VEHICLE SURVEILLANCE

**13:30 – 1ST WORKSHOP ON AUTOMATIC TRAFFIC
14:50 SURVEILLANCE (ATS) – SESSION 1**

Session Chair: Thomas B. Moeslund

Invited Talk: Vision for Intelligent Vehicles and Driver Assistance

Professor Mohan Trivedi (University of California, San Diego)

Driver Aggressiveness Detection Using Visual Information from Forward Camera

Ö. Kumtepe (Middle East Technical University), E. Yüncü (2ISSD Electronics),
G. Akar (Middle East Technical University)

Ongoing Work on Traffic Lights: Detection and Evaluation

Morten Jensen, Mark Philipsen, Thomas Moeslund¹, Andreas Møgelmoose
(Aalborg University, Denmark), Mohan Trivedi (University of California, San Diego)



WORKSHOP TRACK 1: TRAFFIC AND VEHICLE SURVEILLANCE

**15:10 – 1ST WORKSHOP ON AUTOMATIC TRAFFIC
16:40 SURVEILLANCE (ATS) – SESSION 2**

Session Chair: Thomas B. Moeslund

Invited Talk: AIM Research Intersection – Measuring Instrument and Component for Cooperative ADAS and Automation

Kay Gimm, German Aerospace Center (DLR), Köln

Car crashes detection by audio analysis in crowded roads

Pasquale Foggia (University of Salerno, Italy), Nicolai Petkov (University of Groningen, Holland), Alessia Saggese, Nicola Strisciuglio, Mario Vento (University of Salerno, Italy)

Vision-based Vehicle Queue Analysis at Junctions

Mohammad Shokrolah Shirazi, Brendan Morris (University of Nevada, Las Vegas)

Detecting Road User Actions in Traffic Intersections Using RGB and Thermal Video

Chris Bahnsen, Thomas Moeslund (Aalborg University, Denmark)

WORKSHOP DAY
TUESDAY, AUGUST 25TH, 2015

WORKSHOP TRACK 2: ACTIVITY RECOGNITION AND TRACKING

09:00 – 10:30 – 3RD WORKSHOP ON ACTIVITY MONITORING BY
MULTIPLE DISTRIBUTED SENSING (AMMDS) – SESSION 1

Session Chair: Paolo Spagnolo

A stigmergic approach to indoor localization using Bluetooth Low Energy beacons

Filippo Palumbo (Univ. of Pisa, ISTI-CNR), Paolo Barsocchi (ISTI-CNR), Stefano Chessa (Univ. of Pisa), Juan Carlos Augusto (Middlesex University, London)

An Omnidirectional Vision System for Bus Safety Surveillance

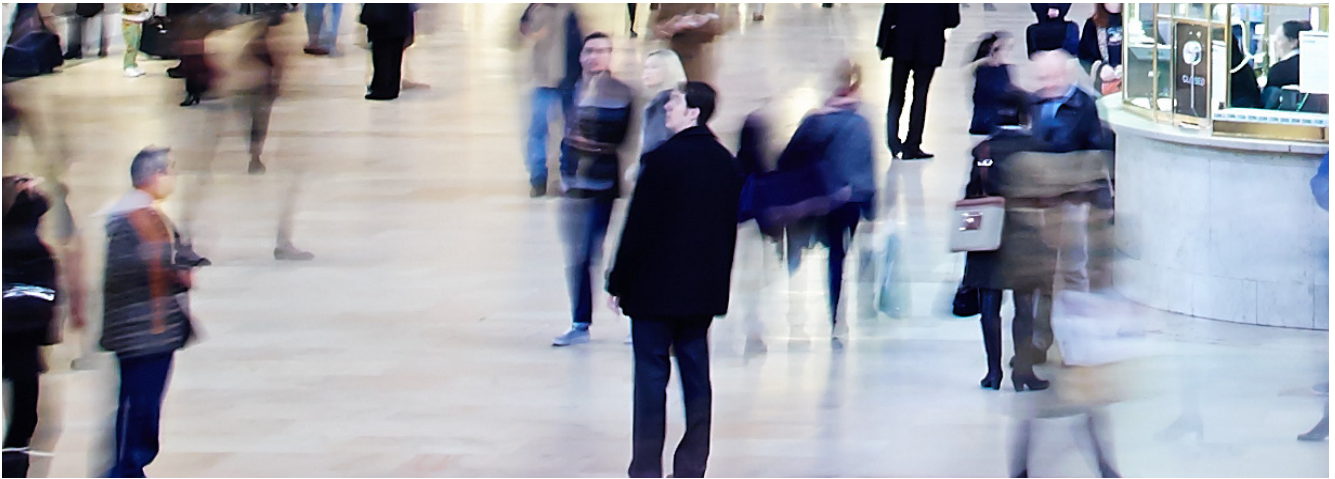
Dao Huu Hung, Hideo Saito (Keio University), Keiichi Yamamoto, and Hiromitsu Sato (Mitsubishi Fuso Truck and Bus Corp.)

Novel Multi-Feature Bag-of-Words Descriptor via Subspace Random Projection for Efficient Human-Action Recognition

Ana I. Maqueda, Arturo Ruano, Carlos R. del-Blanco, Pablo Carballeira, Fernando Jaureguizar, and Narciso Garcia (Universidad Politécnica Madrid)

Particle Filter Based Conjoint Individual-Group Tracker (CIGT)

Ahmet Yigit and Alptekin Temizel (Middle East Technical University)



WORKSHOP TRACK 2: ACTIVITY RECOGNITION AND TRACKING

**10:50 – 3RD WORKSHOP ON ACTIVITY MONITORING BY
12:30 MULTIPLE DISTRIBUTED SENSING (AMMDS) – SESSION 2**

Session Chair: Paolo Spagnolo

Fusion of Spatially Constrained Attributes with Kernelized Ranking for Person Re-identification

Husheng Dong (Soochow University / Suzhou Institute of Trade and Commerce),
Chunping Liu, Yi Ji, Zhaohui Wang (Soochow University), Shengrong Gong
(Soochow University / Changshu Institute of Science and Technology)

Data-Augmentation for Reducing Dataset Bias in Person Re-identification

Niall McLaughlin, Jesus Martinez Del Rincon, Paul Miller (Queen's University Belfast)

Person Re-identification Visualization Tool for Object Tracking across Non-overlapping Cameras

Etienne Pot, Maiya Hori, Atsushi Shimada, Hajime Nagahara,
and Rin-ichiro Taniguchi (Kyushu University)

Closing Remarks

Workshop Chairs

WORKSHOP DAY
TUESDAY, AUGUST 25TH, 2015

WORKSHOP TRACK 2: ACTIVITY RECOGNITION AND TRACKING

13:30 – 14:50 – 17TH IEEE INTERNATIONAL WORKSHOP ON
PERFORMANCE EVALUATION OF TRACKING
AND SURVEILLANCE (PETS) – SESSION 1

Session Chair: James Ferryman

PETS 2015: Introduction, Datasets & Challenges

Longzhen Li, Tahir Nawaz, and James Ferryman (University of Reading, UK)

Robust global tracker based on an online estimation of tracklet descriptor reliability

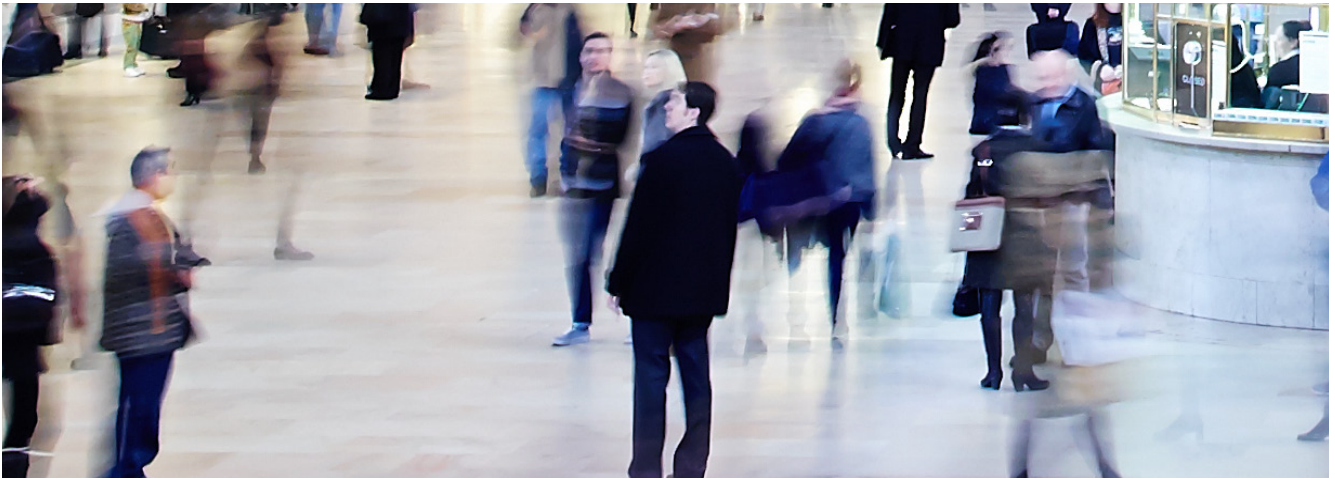
Thi Lan Anh Nguyen, Duc-Phu Chau, Francois Bremond (INRIA, FR)

Tracking performance evaluation on PETS 2015 Challenge datasets

Tahir Nawaz, Jonathan Boyle, Longzhen Li, James Ferryman
(University of Reading)

Invited Talk: The VOT Visual Object Tracking Challenge - An Overview and Outlook

Matej Kristan and Luka Cehovin (Visual Cognitive Systems Laboratory,
University of Ljubljana)



WORKSHOP TRACK 2: ACTIVITY RECOGNITION AND TRACKING

**15:10 – 17TH IEEE INTERNATIONAL WORKSHOP ON
16:40 PERFORMANCE EVALUATION OF TRACKING
AND SURVEILLANCE (PETS) – SESSION 2**

Session Chair: James Ferryman

Online pedestrian group walking event detection using spectral analysis of motion similarity graph

Vahid Bastani, Damian Campo, Lucio Marcenaro, Carlo Regazzoni
(University of Genoa, Italy)

Evaluating template rescaling in short-term single-object tracking

Jorgen Ahlberg (Termisk Systemteknik, Sweden)

Reliable intruder detection using combined modalities of intensity, thermal infrared and stereo depth

Andreas Zweng, Csaba Beleznai, Christoph Sulzbachner
(Austrian Institute of Technology, Austria)

PETS 2015 evaluation results and closing remarks

Workshop chairs

WORKSHOP DAY
TUESDAY, AUGUST 25TH, 2015

WORKSHOP TRACK 3: BORDER CONTROL AND BIOMETRICS

09:00 – 10:30 – **1ST INTERNATIONAL WORKSHOP ON IDENTIFICATION AND SURVEILLANCE FOR BORDER CONTROL (ISBC) – SESSION 1**

Session Chair: Andreas Kriechbaum-Zabini

Evaluation of Face Recognition Technologies for Identity Verification in an eGate based on Operational Data of an Airport

Andreas Opitz, Andreas Kriechbaum-Zabini (Austrian Institute of Technology)

Improved Face Recognition by Combining Information from Multiple Cameras in Automatic Border Control System

Raghhavendra Ramachandra, Christoph Busch (Fraunhofer IGD, Germany)

Ensembles of Exemplar-SVMs for Video Face Recognition from a Single Sample Per Person

Saman Bashbaghi, Eric Granger, Robert Sabourin (University of Québec, Canada), and Guill-Alexandre Bilodeau (Polytechnique Montréal, Canada)

Impact of Resolution and Image Quality on Video Face Analysis

Christian Herrmann, Chengchao Qu, Dieter Willersinn, Jürgen Beyerer (Karlsruhe Institute of Technology and Fraunhofer IOSB, Germany)



WORKSHOP TRACK 3: BORDER CONTROL AND BIOMETRICS

10:50 – 12:00 – **1ST INTERNATIONAL WORKSHOP ON IDENTIFICATION AND SURVEILLANCE FOR BORDER CONTROL (ISBC) – SESSION 2**

Session Chair: Andreas Kriechbaum-Zabini

Towards Mobile and Touchless Fingerprint Verification

Christof Jonietz, Eduardo Monari, Heiko Widak (Fraunhofer IOSB),
and Changchao Qu (Karlsruhe Institute of Technology / Fraunhofer IOSB)

Abnormal behaviour detection on queue analysis from stereo cameras

Luis Patino, James Ferryman (University of Reading, UK),
and Csaba Beleznai (Austrian Institute of Technology, Austria)

Double-constrained RPCA based on Saliency Maps for Foreground Detection in Automated Maritime Surveillance

Andrews Sobral, Thierry Bouwmans, El-Hadi Zahzah
(University of La Rochelle, France)

WORKSHOP DAY
TUESDAY, AUGUST 25TH, 2015

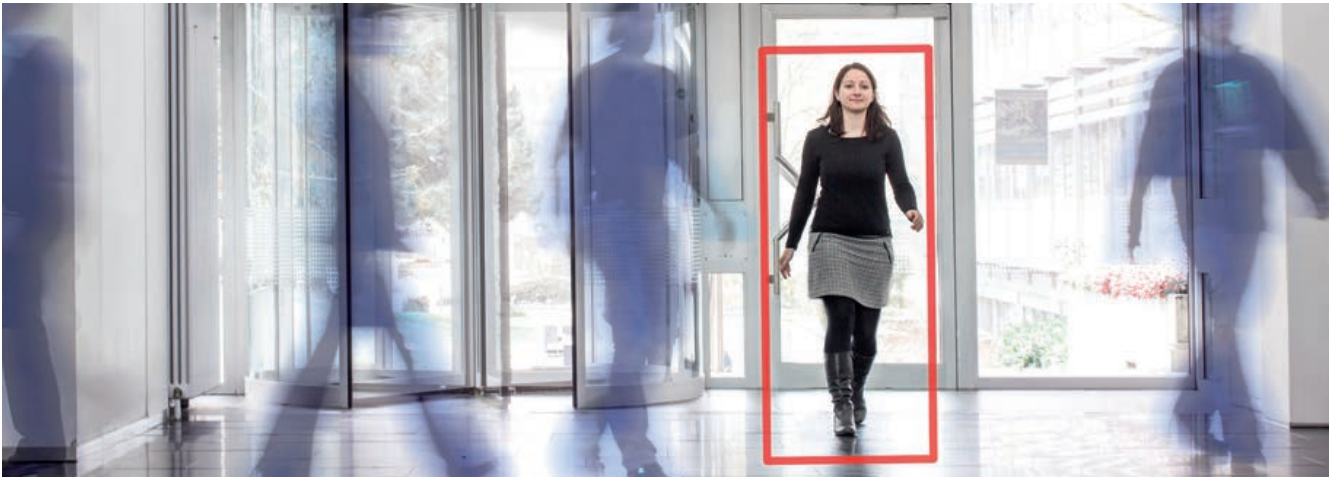
**WORKSHOP TRACK 3:
BORDER CONTROL AND BIOMETRICS**

13:30 – 14:50 – **1ST INTERNATIONAL WORKSHOP ON IDENTIFICATION AND SURVEILLANCE FOR BORDER CONTROL (ISBC) – SESSION 3**

Session Chair: Andreas Kriechbaum-Zabini

Identification and surveillance at the border crossing points – Legal issues
Diana Dimitrova (KU Leuven, Belgium)

Panel Discussion



10:30 – ORAL SESSION I

12:00 SINGLE-/MULTI-OBJECT TRACKING AND BENCHMARKING

Session Chair: Hanseok Ko

Robust Pan-Tilt-Zoom Tracking via Optimization Combining Motion Features and Appearance Correlations

ByeongJu Lee, Kimin Yun, Jongwon Choi, Jin Young Choi
(Seoul National University)

Towards the evaluation of reproducible robustness in tracking-by-detection

Francesco Solera, Simone Calderara, and Rita Cucchiara
(University of Modena and R.E.)

Coalition formation for distributed tracking in wireless camera networks

Yiming Wang, and Andrea Cavallaro (Queen Mary University of London)

Collaboration and spatialization for an efficient multi-person tracking via sparse representations

Loïc Fagot-Bouquet, Romaric Audigier, Yoann Dhome (CEA LIST),
and Frédéric Lerasle (LAAS - CNRS)

CONFERENCE DAY 1
WEDNESDAY, AUGUST 26TH, 2015

13:30 – 2ND INDUSTRIAL
14:40 SURVEILLANCE DAY
(SPECIAL SESSION 1)

Session Chair: Rainer Stiefelhagen

Welcome and Introduction

SmartPrevent – Smart Video-Surveillance System to Detect and Prevent Local Crimes in Urban Areas

Shaogang Gong (Queen Mary University of London)
<http://smartprevent.eu/>

P5 – The Privacy Preserving Perimeter Protection Project

David Lindgren (Swedish Defense Research Agency)
<http://www.foi.se/en/Customers-Partners/Projects/P5/P51/P5om/>

VideoSense - Virtual Centre of Excellence for Ethically-guided and Privacy-restricting Video Analytics in Security

Ivo Keller (Technische Universität Berlin)
<http://videosense.eu/>

14:40 – COFFEE BREAK
15:50 ISD POSTER SESSION & SHOW CASES



**15:50 – 2ND INDUSTRIAL
17:00 SURVEILLANCE DAY
(SPECIAL SESSION 2)**

Session Chair: Rainer Stiefelhagen

**IPATCH – Intelligent Piracy Avoidance using Threat detection and
Countermeasure Heuristics**

Tom Cane (BMT Group Ltd)
<http://www.ipatchproject.eu/>

**MobilePass – A secure, modular and distributed mobile border
control solution for European land border crossing points**

Bernhard Strobl (Austrian Institute of Technology)
<http://mobilepass-project.eu/>

**LASIE project – Analysis and manipulation of vast amounts
of forensic data**

Georgios Chaitas (NeuroPublic AE)
<http://www.lasie-project.eu/>

**13:30 – ISD POSTER SESSION & SHOW CASES
17:00**



10:30 – ORAL SESSION II

12:00 ACTION RECOGNITION

Session chair: Remi Trichet

An Unsupervised Domain Adaptation Approach for Cross-Domain Visual Classification

Cheng-An Hou, Yi-Ren Yeh, and Yu-Chiang Frank Wang (Academia Sinica)

Adaptive Pooling over Multiple Trajectory Attributes for Action Recognition

Wangjang Zhu (Tsinghua University), Baoyuan Wang, and Steve Lin (Microsoft Research Asia)

Action Recognition in Video using a Spatial-Temporal Graph-based Feature Representation

Iveel Jargalsaikhan, Noel O'Connor, Suzanne Little, and Remi Trichet (DCU)

Human action recognition using an improved string edit distance

Pasquale Foggia (University of Salerno), Benoit Gauzere (GREYC CNRS UMR6072), Alessia Saggese (University of Salerno), and Mario Vento (University of Salerno)

13:30 – POSTER SESSION I

15:30 DETECTING AND TRACKING

Session chair: Jörn Ostermann

Details on poster presentations are listed on page 34

POSTER SESSION I

DETECTING AND TRACKING

- P 1 Learning Relative Photometric Differences of Pairs of Cameras**
Christian Conrad, and Rudolf Mester (Goethe-University Frankfurt)
- P 2 Part-based Fire Detection with Online Outlier Learning**
Jongwon Choi, and Jin Young Choi (Seoul National University)
- P 3 Minimizing hallucination in Histogram of Oriented Gradients**
Javier Ortiz, Slawomir Bak, Michal Koperski, Francois Bremond (INRIA)
- P 4 Collaborative Multi-Camera Face Recognition and Tracking**
Jason Rambach (AGT International), Mark Balthasar (Signal Processing Group, TU Darmstadt), Marco Huber, Abdelhak Zoubir (Signal Processing Group, TU Darmstadt)
- P 5 Motion Propagation Detection Association for Multi-target Tracking in Wide Area Aerial Surveillance**
Bor-Jeng Chen, and Gerard Medioni (University of Southern California)
- P 6 Online Multi-Face Detection and Tracking using Detector Confidence and Structured SVMs**
Francesco Comaschi, Sander Stuijk, Twan Basten, and Henk Corporaal (TUE)
- P 7 The Multi-Strand Graph for a PTZ Tracker**
Shachaf Melman (Tel Aviv University), Yael Moses (Interdisciplinary Center, Herzliya), Gerard Medioni (Univ. of Southern California), and Yinghao Cai (Chinese Academy of Sciences)
- P 8 Temporally Stable Feature Clusters for Maritime Object Tracking in Visible and Thermal Imagery**
Christopher Osborne, Tom Cane, Tahir Nawaz, and James Ferryman (University of Reading)

AVSS 2015, 12TH IEEE
INTERNATIONAL CONFERENCE ON ADVANCED
VIDEO- AND SIGNAL-BASED SURVEILLANCE

KARLSRUHE, AUGUST 25–28TH, 2015

- P 9 Modified Particle Filtering using Foreground Separation and Confidence for Object Tracking**
Chansu Kim, and Sung-Kee Park (KIST)
- P 10 Real-time Adaptive Background Modeling in Fast Changing Conditions**
Andrea Pennisi*, Fabio Previtali, Domenico Bloisi, Luca Iocchi
(Sapienza University of Rome)
- P 11 A Thermal Object Tracking Benchmark**
Amanda Berg, Jörgen Ahlberg, and Michael Felsberg (Linköping University)
- P 12 R-SpaRCS : An Algorithm for Foreground-Background Separation of Compressively-Sensed Surveillance Videos**
Lekshmi Ramesh (DA-IICT, Gandhinagar, India), and Pratik Shah (IIIT, Vadodara)
- P 13 A Comparative View on Exemplar ,Tracking-by-Detection' Approaches**
Elie Moussy, Alhayat Ali Mekonnen, Guilhem Marion, and Frédéric Lerasle (LAAS - CNRS)
- P 14 Online Multi-modal Task-Driven Dictionary Learning and Robust Joint Sparse Representation for Visual Tracking**
Ali Taalimi, Rahman Khorsandi, and Hairong Qi (University of Tennessee-Knoxvi)
- P 15 On Fusion for Robust Motion Segmentation**
Longzhen Li, Anna Ellis, and James Ferryman (University of Reading)
- P 16 Exploiting 3D Geometric Primitives for Multicamera Pedestrian Detection**
Muhammad Owais Mehmood (IFSTTAR), Sébastien Ambellouis (IFSTTAR),
and Catherine Achard (ISIR)

POSTER SESSION I
DETECTING AND TRACKING

- P 17 Dynamic Bayesian Network modeling for self- and cross-correcting tracking**
Tewodros Atanaw Biresaw (Queen Mary University of London), Andrea Cavallaro (Queen Mary, University of London), and Carlo Regazzoni (University of Genova)
- P 18 Telemetry assisted frame registration and background subtraction in low-altitude UAV videos**
Giounona Tzanidou, Pau Climent-Perez, Georg Hummel, Marc Schmitt, Peter Stütz, Dorothy Monekosso, and Paolo Remagnino (Kingston University)
- P 19 Social Interaction based Handling Inter-Person Occlusion for Online Multi-Pedestrian Tracking**
Yuke Li, and Weiming Shen (Liesmars, Wuhan University)
- P 20 An Occlusion Reasoning Scheme for Monocular Pedestrian Tracking in Dynamic Scenes**
Sourav Garg (TATA Consultancy Services), Ratnakaram Rajesh (IIT Guwahati), Swagat Kumar (TATA Consultancy Services), and Prithwijit Guha (IIT Guwahatu)

CONFERENCE DAY 2
THURSDAY, AUGUST 27TH, 2015

15:30 – ORAL SESSION III

16:40 EVENT AND OBJECT CLASSIFICATION

Session chair: Anthony Hoogs

Video Event Classification with Temporal Partitioning

Remi Trichet (DCU), Ramakant Nevatia (USC), and Brian Burns (SRI International)

**Vehicle Subtype, Make and Model Classification
from Side Profile Video**

Jonathan Boyle, and James Ferryman (University of Reading)

**Maximum Likelihood Linear Dimension Reduction of
Heteroscedastic Feature for Robust Speaker Recognition**

Suwon Shon (Korea University), Seongkyu Mun (Korea University),
David Han (Office of Naval Research), and Hanseok Ko (Korea University)

16:40 – CLOSING REMARKS AND

17:30 BUS TRANSFER TO HEIDELBERG CASTLE

18:15 – HEIDELBERG CASTLE TOUR AND

21:30 CONFERENCE DINNER AT KING'S HALL



10:30 – ORAL SESSION IV

12:00 EVENT AND OBJECT DETECTION

Session chair: Francois Brémond

Change Detection on Light Field for Active Video Surveillance

Atsushi Shimada, Hajime Nagahara, and Rin-ichiro Taniguchi
(Kyushu University)

Latent Subcategory Models for Pedestrian Detection with Partial Occlusion Handling

Samuele Martelli, Marco San Biagio, and Vittorio Murino
(Istituto Italiano di Tecnologia, IIT)

Violence Detection in Crowded Scenes using Substantial Derivative

Sadegh Mohammadi, Hamed Kiani, Alessandro Perina,
and Vittorio Murino (Istituto Italiano di Tecnologia)

Meeting detection in video through semantic analysis

Luis Patino, and James Ferryman (University of Reading)

13:30 – POSTER SESSION II

15:30 RECOGNITION AND SURVEILLANCE SYSTEMS

Session chair: Tobias Schuchert

Details on poster presentations are listed on page 44

POSTER SESSION II

RECOGNITION AND SURVEILLANCE SYSTEMS

- P 1 Stereo Mosaicking and 3D-Video for Singleview HDTV Aerial Sequences using a Low Bit Rate ROI Coding Framework**
Holger Meuel, Marco Munderloh, and Joern Ostermann (Leibniz Universitaet Hannover)
- P 2 Dynamic Camera Scheduling for Visual Surveillance in Crowded Scenes using Markov Random Fields**
João Neves, and Hugo Proença (Universidade da Beira Interior)
- P 3** Withdrawn
- P 4 Efficient 24/7 Object Detection in Surveillance Videos**
Rogério Feris, Russ Bobbitt, Sharath Pankanti, and Ming-Ting Sun (IBM T.J. Watson Research)
- P 5 Observing human activities using movement modelling**
Adrian Bors, and Kyle Stephens (University of York)
- P 6 MORF: Multi-Objective Random Forests for Face Characteristic Estimation**
Dario Di Fina (MICC – University of Florence), Svebor Karaman (DVMM Lab – Columbia University), Andrew Bagdanov (CVC – Universitat Autònoma de Barcelona), and Alberto Del Bimbo (MICC – University of Florence)
- P 7 Interaction Analysis through Fuzzy Temporal Logic: Extensions for Clustering and Parameter Learning**
Joris IJsselmuiden (Wageningen University),
and Johannes Dornheim (Karlsruhe University of Applied Sciences)

AVSS 2015, 12TH IEEE
INTERNATIONAL CONFERENCE ON ADVANCED
VIDEO- AND SIGNAL-BASED SURVEILLANCE

KARLSRUHE, AUGUST 25–28TH, 2015

- P 8 Don't Overlook the Human!**
Applying the Principles of Cognitive Systems Engineering to the Design of Intelligent Video Surveillance Systems
Joel Suss, François Vachon, Daniel Lafond, and Sébastien Tremblay (Université Laval)
- P 9 Large Scale Monitoring of Crowds and Building Utilisation: A New Database and Distributed Approach**
Simon Denman, Clinton Fookes, David Ryan, and Sridha Sridharan (Queensland University of Technology)
- P 10 Dynamic Focus Control for Preventing Motion Blur**
Bart Kofoed (TU Eindhoven), Eric Janssen (Prodrive Technologies B.V.), and Peter H.N. de With (TU Eindhoven)
- P 11 Plda-based System for Text-prompted Password Speaker Verification**
Sergey Novoselov (Speech Technology Center Ltd), Andrey Shulipa (ITMO), Timur Pekhovsky (ITMO), Oleg Kudashev (Speech Technology Center Ltd)
- P 12 Automatic configuration and calibration of modular sensing floors**
Roberto Vezzani, Martino Lombardi, and Rita Cucchiara (University of Modena and R.E.)
- P 13 An annotation-free method for evaluating privacy protection techniques in videos**
Tahir Nawaz, and James Ferryman (University of Reading)
- P 14 Articulated Pose Estimation via Multiple Mixture Parts Model**
Aichun Zhu, Hichem Snoussi, and Abel Cherouat (UTT)

POSTER SESSION II
RECOGNITION AND SURVEILLANCE SYSTEMS

P 15 Self-Calibration from Vehicle Information

Lisa Brown, Quanfu Fan, and Yun Zhai (IBM)

P 16 Transferring Attributes for Person Re-Identification

Arne Schumann, Rainer Stiefelhagen (Karlsruhe Institute of Technology)

P 17 Enhanced gesture-based human-computer interaction through a compressive sensing reduction scheme of very large and efficient depth feature descriptors

Tomás Mantecón, Ana Mantecón, Carlos del-Blanco, Fernando Jaureguizar, Narciso García (Grupo de Tratamiento de Imágenes, Univ. Politécnica de Madrid)

CONFERENCE DAY 3
FRIDAY, AUGUST 28TH, 2015

15:30 – ORAL SESSION V

17:00 SURVEILLANCE SYSTEMS AND PRIVACY

Session chair: Jürgen Beyerer

A User Study on Anonymization Techniques for Smart Video Surveillance

Pascal Birnstill (Fraunhofer IOSB), Daoyuan Ren (Karlsruhe Institute of Technology), and Jürgen Beyerer (Fraunhofer IOSB)

A scalable and privacy preserving approach for counting pedestrians in urban environment

Pedro Cunha, and Daniel Moura (IT DEEC FEUP)

An End-to-End System for Content-Based Video Retrieval using Behavior, Actions, and Appearance with Interactive Query Refinement

Roderic Collins (Kitware)

A Novel Image Filtering Approach for Sensor Fingerprint Estimation in Source Camera Identification

Mustafa Al-Ani, Fouad Khelifi, Ashref Lawgaly, and Ahmed Bouridane (Northumbria University)

17:00 CLOSING REMARKS & FAREWELL