

# Programme

All talks, except the tutorial, are in Exchange Building, Lecture Theatre 3 (LT3).

Posters and refreshments are in C3 and C33 (one floor below LT3)

## Monday 1<sup>st</sup> September

Time	Event
13:30	Registration opens (Exchange building foyer)
15:30-17:30	Tutorial: Image representations, from shallow to deep (LT2) Andrea Vedaldi
17:30-20:00	Welcome drinks, and registration at NCT&L

## Tuesday 2<sup>nd</sup> September

Time	Event
8:30	Registration opens and coffee
9:00-10:00	<b>Keynote: Luc Van Gool: Winner-uses-all (Chair: Michel Valstar)</b>
	<b>Person detection and identification (Chair: Michel Valstar)</b>
10:00-10:20	Re-id: Hunting Attributes in the Wild Ryan Layne, Tim Hospedales, Shaogang Gong
10:20-10:40	Evidential combination of pedestrian detectors Philippe Xu, Franck Davoine, Thierry Denoeux
10:40-11:10	<b>Coffee</b>
	<b>Machine Learning (Chair: Majid Mirmehdi)</b>
11:10-11:30	Mining Structure Fragments for Smart Bundle Adjustment Luca Carlone, Pablo Fernandez Alcantarilla, Han-Pang Chiu, Zsolt Kira, Frank Dellaert
11:30-11:50	Distributed Non-Convex ADMM-inference in Large-scale Random Fields Ondrej Miksik, Vibhav Vineet, Patrick Pérez, Phillip Torr
11:50-12:10	Boosted Cross-Domain Categorization Fan Zhu, Ling Shao, Jun Tang
12:10-12:30	Return of the Devil in the Details: Delving Deep into Convolutional Nets Ken Chatfield, Karen Simonyan, Andrea Vedaldi, Andrew Zisserman
12:30-12:50	Transductive Multi-label Zero-shot Learning Yanwei Fu, Yongxin Yang, Tim Hospedales, Tao Xiang, Shaogang Gong
12:50-13:30	<b>LUNCH</b>
13:30-14:45	Poster Session I
	<b>Video and Structure From Motion (Chair: Frank Delleart)</b>
14:45-15:05	Optimal Representation of Multi-View Video Marco Volino, Dan Casas, John Collomosse, Adrian Hilton
15:05-15:25	Unsupervised Spatio-Temporal Segmentation with Sparse Spectral Clustering Mahsa Ghafarianzadeh, Matthew Blaschko, Gabe Sibley
15:25-16:00	<b>Coffee</b>
16:00-16:20	Depth Extraction from Videos Using Geometric Context and Occlusion Boundaries Syed Raza, Omar Javed, Aweek Das, Harpreet Sawhney, Hui Cheng, Irfan Essa
16:20-16:40	Non-Rigid Shape-from-Motion for Isometric Surfaces using Infinitesimal Planarity Ajad Chhatkuli, Daniel Pizarro, Adrien Bartoli
16:40-17:00	Virtual Insertion: Robust Bundle Adjustment over Long Video Sequences Ziyang Wu, Zhiwei Zhu, Han-Pang Chiu

## Wednesday 3<sup>rd</sup> September

Time	Event
8:30	Registration opens and coffee
9:00-10:00	<b>Keynote: Fei-Fei Li: Computer Vision: A Quest for Visual Intelligence</b> <b>(Chair: Andrew French)</b> <b>Faces (Chair: Fei-Fei Li)</b>
10:00-10:20	Regularized Multi-Concept MIL for weakly-supervised facial behavior categorization Adria Ruiz, Joost Van de Weijer, Xavier Binefa
10:20-10:40	Expression-Invariant Age Estimation Fares Alnajar, Zhongyu Lou, Jose Alvarez, Theo Gevers
10:40-11:10	<b>Coffee</b>
	<b>3D and Stereo (Chair: Toby Breckon)</b>
11:10-11:30	A Stochastic Cost Function for Stereo Vision Christian Unger, Slobodan Ilic
11:30-11:50	Fusing Multiple Features for Shape-based 3D Model Retrieval Takahiko Furuya, Ryutarou Ohbuchi
11:50-12:10	Unsupervised RGB-D image segmentation using joint clustering and region merging Md Abul Hasnat, Olivier Alata, Alain Trémeau
12:10-12:30	CP-Census: A Novel Model for Dense Variational Scene Flow from RGB-D Data David Ferstl, Gernot Riegler, Matthias Rüther, Horst Bischof
12:30-12:50	Is 2D Information Enough For Viewpoint Estimation? Amir Ghodrati, Marco Pedersoli, Tinne Tuytelaars
12:50-13:30	<b>Lunch</b>
13:30-14:45	Poster session II
	<b>Segmentation and object detection (Chair: Roy Davies)</b>
14:45-15:05	Discrete Multi Atlas Segmentation using Agreement Constraints Stavros Alchatzidis, Aristeidis Sotiras, Nikos Paragios
15:05-15:25	Video Object Segmentation by Non-Local Consensus voting Alon Faktor, Michal Irani
15:25-16:00	<b>Coffee</b>
16:00-16:20	Embedding Geometry in Generative Models for Pose Estimation of Object Categories Michele Fenzi, Jörn Ostermann
16:20-16:40	Cracking BING and Beyond Qiyang Zhao, Zhibin Liu, Baolin Yin
16:40-17:00	How good are detection proposals, really? Jan Hosang, Rodrigo Benenson, Bernt Schiele
18:00-23:00	Conference banquet at the National Space Centre

## Thursday 4th September

Time	Event
8:30	Registration opens and coffee
	<b>Tracking (Chair: Tony Pridmore)</b>
9:00-9:20	Part Context Learning for Visual Tracking Guibo Zhu, Jinqiao Wang, Chaoyang Zhao, Hanqing Lu
9:20-9:40	Simultaneous Mosaicing and Tracking with an Event Camera Hanme Kim, Ankur Handa, Ryad Benosman, Sio-Hoi Ieng, Andrew Davison
9:40-10:00	Deformable Template Tracking in 1ms David Joseph Tan, Stefan Holzer, Nassir Navab, Slobodan Ilic
10:00-10:20	Learn++ for Robust Object Tracking Feng Zheng, Ling Shao, James Brownjohn, Vitomir Racic
10:20-10:40	$L_0$ -Regularized Object Representation for Visual Tracking Jinshan Pan, Jongwoo Lim, Zhixun Su, Ming-Hsuan Yang
10:40-11:10	Coffee
	<b>Image classification (Chair: Tim Cootes)</b>
11:10-11:30	You-Do, I-Learn: Discovering Task Relevant Objects and their Modes of Interaction from Multi-User Egocentric Video Dima Damen, Teesid Leelasawassuk, Osian Haines, Andrew Calway, Walterio Mayol-Cuevas
11:30-11:50	Hierarchical Cascade of Classifiers for Efficient Poselet Evaluation Bo Chen, Pietro Perona, Lubomir Bourdev
11:50-12:10	Regularized Max Pooling for Image Categorization Minh Hoai
12:10-12:30	Discriminative Embedding via Image-to-Class Distances Xiantong Zhen, Ling Shao, Feng Zheng
12:30-14:00	Lunch
14:00-16:00	Social: Guided tour of Wollaton Hall

## Friday 5th September

Time	Event
9:00-16:00	UK Doctoral Consortium workshop (details provided separately)