

## Detection vs Tracking

One Day BMVA symposium at the Gustave Tuck Lecture Theatre, University College London, on 5<sup>th</sup> July 2006.

### DIRECTIONS:

1. Go to the main entrance to UCL on Gower Street. Nearest tubes Goodge Street, Warren Street, Euston Square, Euston, Russell Square  
<http://www.streetmap.co.uk/newmap.srf?x=529530&y=182275&z=1&sv=529530,182275&st=4&ar=Y&map=newmap.srf&searchp=newsearch.srf>
2. From the main UCL quadrangle, head to door at the far right (South East) of the quad. The Gustave Tuck lecture theatre is up the stairs to your right on the second floor.  
<http://www.ucl.ac.uk/admission/access-ucl/virtual-ucl/maps/map15.gif>

**Chair:** Dr. R Bowden (CVSSP, University of Surrey)

- 10.00 **Registration and coffee**
- 10.20 **Welcome and Introduction**
- 10.30 **Keynote Address: Tracking = Detection+Adaptation**  
Prof Andrew Blake, Microsoft Research
- 11.15 **Optimal Importance Sampling for Human Motion Tracking using Persistent, Low-level Image Features**, Matthew Jenkins and Ian Reid, Robotics Research Group, University of Oxford.
- 11.40 **Simultaneously Modelling and Tracking (SMAT) using Mutual Information**, Nicholas Dowson and Richard Bowden, CVSSP, University of Surrey.
- 12.05 **Detection vs. Tracking: A Question of Computational Cost**, Andrew J. Davison, Dept of Computing, Imperial College.
- 12.30 **Lunch**
- 13.30 **Learning Efficient Linear Predictors for Motion Estimation**, Jiri Matas, Czech Technical University, Prague.
- 13.55 **Joint Tracking and Classification using the Transferable Belief Model**, Gavin Powell, DIF/DTC, School of Comp Sci, Cardiff University.
- 14.20 **People Detection using Gait for Visual Surveillance**, Imed Bouchrika, Mark Nixon, University of Southampton.
- 14.45 **A Layered Data Association Algorithm for Object Tracking in Clutter with Application to Tennis Video Analysis**, Fei Yan, A Kostin, W Christmas, J Kittler, CVSSP, University of Surrey.
- 15.10 **Tea**
- 15.40 **Multiple Object Class Detection**, Krystian Mikolajczyk, CVSSP, University of Surrey.
- 16.05 **Hierarchical, Model Based Tracking with Particle Filtering**, Zsolt Husz, Andrew M. Wallace, Patrick R. Green, Heriot-Watt University.
- 16.30 **Motion Distillation**, Mark Sugrue and E. R. Davies, Royal Holloway, University of London.
- 16.55 **Closing Comments**

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### **REGISTRATION FORM: 5<sup>th</sup> July 2006 Meeting**

Please return this form to BMVA Secretary, Royston Parkin, 95 Queen Street, Sheffield, S1 1WG, Tel 0114 272 0306, Fax 0114 272 6158 or via email to [BMVA@roystonparkin.co.uk](mailto:BMVA@roystonparkin.co.uk). The meeting is free to members of the BMVA but a

charge of £20 is payable by non-members. A sandwich lunch is available at a cost of £5 and should be booked in advance. When registering please enclose a cheque for the appropriate amount made payable to "The British Machine Vision Association".

NAME:	.....		
ADDRESS:	.....		
	.....		
TEL:	.....	BMVA MEMBER:	YES/NO
email:	.....	LUNCH:	YES/NO
		VEGETARIAN:	YES/NO