

Robotics and Vision

One Day BMVA symposium at the British Computer Society,
5 Southampton Street, London, UK on 14 May 2008.

www.bmva.ac.uk/meetings

Co-sponsored by: IET and BARA

Chair: Prof. John Illingworth (University of Surrey)

- 10.00 **Registration and coffee**
10.40 **Welcome and Introduction**
10.45 **OATS - a robot helicopter system for visual tracking applications**
Stephen Cameron and Heike Helble, Oxford University Computing Lab
11.10 **Autonomous Learning and Adaptation on a Mobile Robot based on Visual Information**
Mohan Sridharan, Birmingham University
11.35 **Towards Real-Time Motion Estimation for Any Moving Camera**
Andrew Davison, Imperial College London
12.00 **Fabric Manipulation: An Eye Tracking Experiment**
Peter Gibbons, Phil Culverhouse and Guido Bugmann, Plymouth University
12.25 **Lunch**

13.45 **Appearance-based methods for robot navigation tasks**
Fred Labrosse, Aberystwyth University
14.10 **Learning physics based world models with an anthropomorphic robot.**
Richard Newcombe, Essex University and Imperial College London
15.30 **Discovering Higher Level Structure in Real-Time Visual SLAM**
Andrew Gee, Bristol University
15.00 **Tea**

15.35 **Machine Vision for macro, micro and nano robot environments.**
Bala Amavasai, Sheffield Hallam University
16.00 **Fast Appearance Based Mapping and Localisation - FAB-MAP Algorithm**
Paul Newman, Oxford University Robotics Lab
16.30 **Closing remarks and finish**

REGISTRATION FORM: 14 May 2008 Meeting

Please return this form to Royston Parkin, 95 Queen Street, Sheffield, S1 1WG, Tel 0114 272 0306, Fax 0114 272 6158 or via email to BMVA@roystonparkin.co.uk. The meeting is free to members of the BMVA and co-sponsoring associations (IET and BARA) 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