

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 Leanne Pring, 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:
email:

BMVA MEMBER: YES/NO
LUNCH: YES/NO
VEGETARIAN: YES/NO