

## Robotics and Vision

One Day BMVA technical meeting at the British Computer Society, 5 Southampton Street,  
London, UK on 24 March 2010

**Chairs:** John Illingworth (University of Surrey), Adrian Clark (University of Essex)

- 10:00 **Registration and coffee**  
10:25 **Welcome and introduction**  
10:30 **What are the core quality principles behind robot vision systems that really work?**  
I. Davison (Imperial College)  
10:50 **Single-camera depth estimation in humanoid robots using head movements**  
A. Palmer and T.S. Dahl (University of Wales, Newport)  
11:10 **Visual and dynamic optimisation for hand-eye coordination**  
D. Beale and P. Hall (University of Bath)  
11:30 **Object detection, recognition and tracking in open-ended learning scenario**  
M. Zillich, J. Prankl, T. Morwald and A. Richtsfeld (Zurich)  
11:50 **Visual Learning for Cognitive Robotics**  
R. Bowden (University of Surrey)  
12:10 **Lunch**  
13:20 **Using vision and laser for robot navigation and scene understanding**  
I. Posner and P. Newman (Oxford University)  
13:40 **Experiences with mission-integration on large-scale multi-platform trials and development**  
T. Breckon (Cranfield University)  
14:00 **Representation, recognition and validation of 3D projected views**  
N. Thacker (Manchester University)  
14:20 **An adaptive map for vision based mobile robot navigation in changing environments**  
F. Dayoub, G. Cielniak and T. Duckett (University of Lincoln)  
14:40 **Visual PTZ tracking and control for maritime surveillance**  
C. Bibby and I. Reid (Oxford University)  
15:00 **Tea**  
15:45 **Robotic non-destructive evaluation**  
R. Summan, L. Mackenzie, G. Dobie, S.G. Pierce and G. Hayward (University of Strathclyde)  
16:05 **Autonomous science for an ExoMars rover like mission**  
M. Woods (SciSys UK Limited)  
16:25 **Visual localisation for the ExoMars rover**  
M. North and C. Harris (Roke Manor Research Ltd)  
16:45 **Finish**

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**REGISTRATION FORM:     Robotics & Vision     24 March 2010**

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 or IET 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*. Book early to avoid disappointment.

NAME: .....

ADDRESS: .....

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TEL: .....

EMAIL: .....

BMVA/IET MEMBER: YES/NO

LUNCH: YES/NO

VEGETARIAN: YES/NO