

## **Group Theory, Invariance & Symmetry in Vision**

One Day BMVA symposium at the British Computer Society,  
5 Southampton Street, London, WC2E 7HA, UK  
on January 21<sup>st</sup> 2009.

<http://www.bmva.org/meetings>

**Chair:** Lewis Griffin (University College London)

- 10.00 Registration and coffee  
10.25 Welcome and Introduction  
10.30 **Diffeomorphic alignment of MRI scans**  
John Ashburner (Functional Imaging Lab, UCL, UK)  
11:00 **Paying attention to symmetry in man and machine**  
Gert Kootstra (AI Institute, Groningen, Netherlands)  
11.30 **Visual features from bispectral invariants**  
Risi Kondor (Gatsby Institute, UCL, UK)  
12.00 **Local image symmetry type: the missing link between filters and features**  
Lewis Griffin (Computer Science, UCL, UK)  
12.30 Lunch  
13.30 **Group invariants in colour vision**  
David Foster (Electrical & Electronic Engineering, Manchester, UK)  
14.00 **Conical spaces: the geometry of non-negative signals such as colour spectra**  
Reiner Lenz (Science & Technology, Linkoping, Sweden)  
14.30 Tea and Coffee  
15.15 **Discrete symmetries in statistical image analysis and beyond**  
Alexey Koloydenko (Mathematics, Royal Holloway UoL, UK)  
15:45 **Extending the SIFT image patch descriptor to 2<sup>nd</sup> order structure**  
Martin Lillholm (Computer Science, UCL, UK)  
16.15 Closing remarks and finish

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### **REGISTRATION FORM: 21<sup>st</sup> January 2009 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