



Three-dimensional Vision

Wed 15th June 2011
School of Psychology



UNIVERSITY OF
BIRMINGHAM

Talk Schedule

Session	Time	Speaker	Title
Registration	8:30		
Session 1	9:00	Dr. Marco Bertamini	Solid shape.
	9:50	Dr. Pascal Mamassian	TBC
Poster Session 1	10:40	Refreshments will be served in the foyer.	
Session 2	11:10	Prof. Julie Harris	Perception of motion in three dimensions.
	12:00	Dr. Hiroshi Ban	Translating from local disparities to surface slant in the human visual cortex.
Lunch	12:30	Lunch will be served in room 3.09b of the Frankland Building (across the car park).	
Session 3	13:30	Dr. Roland Fleming	Fields and flows in the perception of shape.
	14:20	Prof. Andrew Parker	TBC
Poster Session 2	15:10	Refreshments will be served in the foyer.	
Session 4	15:50	Prof. Peter Janssen	Three-dimensional shape processing in inferior temporal, parietal and premotor cortex.
	16:40	Dr. Wendy Adams	Shape perception: Adaptation & Prior Assumptions.
	17:30		
	19:00	We have booked the mezzanine gallery at The Old Joint Stock theatre in Birmingham city centre (walking distance from the rear entrance of New Street station). They serve food and drinks, and we hope that you will be able to join us.	

Posters

(By first author's surname)

Extracting perceptual priors.

Adam Binch (University of Sheffield)

Connecting 3D vision research with the 3D film industry.

Rob Black (University of Liverpool)

A hierarchical extension to the completion of 3D shape in computer vision.

Toby Breckon (Cranfield University)

Co-occurrence of luminance and chromatic edges does not always result in suppressed perception of depth from shading.

Stephane Clery (University of St. Andrews)

Negative colour carry-over effects in attention to surfaces: Evidence for spreading suppression across 2-D and 3-D space.

Kevin Dent (University of Birmingham)

Perceptual learning of second order cues in a shape from shading task.

Dicle Dovencioğlu (University of Birmingham)

Bayesian modeling of complex illumination depth cues.

Glen Harding (University of Bradford)

Scene categorisation after priming/adaptation to amplitude statistics.

Jenny Josephs (University of Southampton)

Vision-Space: A new way of representing visual experience in art and media.

John Jupe (University of Wales Institute, Cardiff)

What do Nintendo know that we don't. The adverse effect of viewing 3D TV.

Edyta Karpicka (Loughborough University)

Highlight disparity, surface curvature and perceived gloss.

Iona Kerrigan (University of Southampton)

Extra-retinal signals affect the perceived speed of 3D motion.

Arthur Lugtigheid (University of Birmingham)

Classification images reveal lighting priors for shape-from-shading.

Giacomo Mazzilli (University of Birmingham)

Decoding disparity-defined surface curvature in the human brain.

Aidan Murphy (University of Birmingham)

The perception of 3D shape from binocular views of specular objects.

Alexander Murry (University of Birmingham)

fMRI activity in higher dorsal areas relate to depth discrimination for both coarse and fine disparity tasks.

Matt Patten (University of Birmingham)

Depth segmentation in visual search.

Kate Roberts (University of Birmingham)

Edge visibility is critical for the accurate estimation of three-dimensional shape from disparity.

Peter Scarfe (University College London)

On the contribution of stereoscopic information to the recognition of scenes in fast presentations.

Matteo Valsecchi (Justus-Liebig Universität Giessen)

Geometric differences between pictorial and real space.

Maarten Wijntjes (Delft University of Technology)

Getting here

Trains

The University train station is 2 stops (less than 10 minutes) from Birmingham New Street, and can be reached on LondonMidland trains going towards Redditch or Longbridge. Trains run approximately every 10 minutes in the morning and evening, and the timetable can be found online (<http://www.londonmidland.com/your-journey/timetables/timetables-from-22-may/>). LondonMidland, Virgin and CrossCountry trains regularly depart from Birmingham International Airport to Birmingham New Street.

Campus

All talks will take place in Room 1.20 of the Hills Building in the School of Psychology. Refreshments and poster sessions will take place in the lobby of the Hills Building. The building is marked R3 (Red Zone) on the attached campus map and is only a short walk from the University train station.

Edgbaston Campus Map

Index to buildings by zone

Red Zone

- R1 Law
- R2 Frankland Building
- R3 Hills Building
- R4 Aston Webb – Earth Sciences
- R5 Aston Webb – B Block
- R6 Aston Webb – Great Hall
- R7 Aston Webb – C Block
- R8 Physics West
- R9 Nuffield
- R10 Physics East
- R11 Medical Physics
- R12 Aitchison Building
- R13 Poynting Building
- R14 Barber Institute of Fine Arts
- R15 Watson Building
- R16 Arts Building
- R17 Ashley Building
- R18 Strathcona Building
- R19 Education Building
- R20 J G Smith Building
- R21 Muirhead Tower
- R22 Main Library
- R23 University Centre
- R24 Staff House
- R25 Munrow Sports Centre
- R26 Geography
- R27 Biosciences
- R28 Learning Centre

Green Zone

- G1 32 Pritchatts Road
- G2 31 Pritchatts Road
- G3 European Research Institute
- G4 3 Elms Road
- G5 Computer Centre
- G6 Metallurgy and Materials
- G7 IRC Net Shape Laboratory
- G8 Gisbert Kapp Building
- G9 52 Pritchatts Road
- G10 54 Pritchatts Road
- G11 Winterbourne House
- G12 Winterbourne Botanic Garden
- G15 Westmere
- G18 Priorsfield
- G19 Park House
- G20 Elms Plant Laboratory
- G21 Park Grange

Green Zone Conference Park

- G13 Hornton Grange
- G14 Garth House
- G16 Lucas House
- G17 Peter Scott House

Yellow Zone

- Y1 Old Gymnasium
- Y2 Haworth Building
- Y3 Civil Engineering and Mechanical Engineering
- Y4 Terrace Huts
- Y5 Estates West
- Y6 Maintenance Building
- Y7 Grounds and Gardens
- Y8 Chemistry West
- Y9 Computer Science
- Y10 Alta Bioscience
- Y11 Chemical Engineering
- Y12 Biochemical Engineering
- Y13 Chemical Engineering Workshop
- Y14 Sport and Exercise Sciences
- Y15 Civil Engineering Laboratories
- Y16 Occupational Health and Environmental Medicine
- Y17 Public Health

Blue Zone

- B1 Medical School
- B2 Institute of Biomedical Research including IBR West
- B3 Wellcome Clinical Research Facility (1st floor)
- B4 Sir Robert Aitken Institute for Medical Research
- B5 CRUK Institute for Cancer Studies and Denis Howell Building
- B6 Research Park
- B7 90 Vincent Drive
- B8 Henry Wellcome Building for Biomolecular NMR Spectroscopy
- B9 Medical Practice and Dental Centre

Orange Zone

- O1 The Guild of Students
- O2 St Francis Hall
- O3 University House
- O4 Elm House

