

## CURRICULUM VITAE

**Giles M Anderson**

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### **Research**

My research looks at the factors affecting search behaviour in humans, measuring search speed and eye movements to gain an understanding of how people select visual information relevant to their task. Working with Glyn Humphreys at the University of Birmingham, my studies focused on cued visual search, in which we investigate the effects of providing correct or incorrect information about the colour or orientation of a target defined by a conjunction of these two features (see Anderson, Heinke, & Humphreys, 2010). I am currently extending this work to investigate whether music affects the performance of visual neglect patients on search tasks. In addition, following a three-month spell as a visiting fellow at the University of British Columbia, Canada, I am collaborating with Alan Kingstone to investigate how people look for and hide concealed targets, factors involved in search behaviour that have extensive practical applications. I am also involved in eye-tracking infants and older children at the University's Infant and Child Laboratory ([www.icl.bham.ac.uk](http://www.icl.bham.ac.uk)).

### **Published papers and abstracts**

Anderson, G. M., Heinke, D., & Humphreys, G. W. (2010). Featural Guidance in Conjunction Search: The Contrast Between Orientation and Colour. *Journal of Experimental Psychology: Human Perception and Performance*. In press.

Anderson, G. M., Heinke, D., & Humphreys, G. W. (2006a). Top-down Modulation in Inefficient Search: Evidence of Differences Between Orientation and Colour Cueing. *Perception*, 35, S163b. (ECP-2006).

### **Papers in review**

Anderson, G. M., Heinke, D., & Humphreys, G. W. (in review). Differential Time Course of Implicit and Explicit Cueing by Color and Orientation in Visual Search, *Visual Cognition*.

### **Papers in preparation**

Anderson, G. M., Heinke, D., & Humphreys, G. W. (in preparation). Conjunction search without target-specific bias: an eye movement study.

Anderson, G. M., Heinke, D., & Humphreys, G. W. (in preparation). Explicit Top-down Bias During Visual Search: an Eye-tracking Study.

Anderson, G. M., Foulsham, T., & Kinstone, A. (in preparation). Hide and Seek: Finding and Concealing Strategies Visual Search.

Palmer, E., Anderson, G. M., & Humphreys, G. W., (in preparation). The Effects of Pleasant Music on the Search Performance of Patients with Visual Neglect.

### **Conference presentations**

Anderson, G. M., Heinke, D., & Humphreys, G. W. (2008). Differential Time Course of Top-down Cueing by Colour and Orientation in Visual Search. Talk presented at the January meeting of the Experimental Psychology Society (EPS), London, UK (EPS-2008).

Anderson, G. M., Heinke, D., & Humphreys, G. W. (2006a). Top-down Modulation in Inefficient Search: Evidence of Differences Between Orientation and Colour Cueing. *Perception*, 35, S163b. (ECP-2006).

Anderson, G. M., Heinke, D., & Humphreys, G. W. (2006b). Top-down Modulation in Inefficient Search: Evidence of Differences Between Orientation and Colour Cueing. Poster presented at the April meeting of the EPS, Birmingham, UK (EPS-2006).

### **Funding proposals**

Find and Hiding Strategies in Real-world Scenarios, *Commonwealth Post-Doctoral Fellowship* (pending).

Grouping vs. Segmentation: Differential Effects of Colour and Orientation Cues on Eye-movements During Visual Search, *ESRC Post-Doctoral Fellowship* (in preparation).

## Teaching

As a School Instructor, I am currently tutoring and teaching first- and second-year undergraduates. I also was a postgraduate Teaching Assistant, completing a teacher training qualification (PGT013).

## Education

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|-----------------------|---|
| 01/10/2005-30/09/2009 | PhD: 'Top-down processes in visual search'<br>School of Psychology, University of Birmingham                      |
| 01/10/2005-01/04/2006 | Associate module in Learning and Teaching in Higher Education (PGT013)<br>University of Birmingham                |
| 01/09/2004-01/09/2005 | Masters of Research (distinction)<br>Cognition and Neuroscience<br>School of Psychology, University of Birmingham |
| 01/09/2002-01/07/2004 | Conversion Diploma in Psychology (2:1)<br>London Metropolitan University  |
| 01/02/1996-01/06/1996 | Postgraduate Diploma in Magazine Journalism<br>London School of Printing  |
| 10/01/1991-01/07/1994 | Chemistry degree (3 <sup>rd</sup> class)<br>University of Exeter  |

## Employment

- 01/10/2009-present *School Instructor/Research Assistant (part-time).*  
School of Psychology, University of Birmingham  
As well as tutoring and teaching undergraduates, I manage the Infant and Child Laboratory.
- 23/05/2009-23/08/2009 *Visiting Research Fellow*  
University of British Columbia, Canada.  
Funded by a Quinn Exchange Fellowship, I worked in Alan Kingstone's lab, investigating hiding and finding strategies of concealed objects.
- 01/10/2005-30/09/2008 *Postgraduate Teaching Assistant (TA)*  
School of Psychology, University of Birmingham  
As both lead and normal TA, I taught both large and small-groups of undergraduates a range of psychology-related topics, from visual cognition to quantitative, research-specific statistics.
- 2001-2002 *Freelance writer and editor*  
Specialised writing psychology and health articles.
- 1999-2001 *Production editor, Internet Magazine*  
Responsible for editing, re-writing and overall production of this monthly magazine.
- 1997-1998 *Freelance editor, Sydney, Australia*
- 1996-1997 *Freelance journalist and editor*

### **Computer skills**

Eye-tracking hardware I have extensive knowledge of how to set-up and use a variety of eye-tracking set-up, including Eye-Link 1000, Eye-Link II and RED III systems.

Computer programmes SPSS, E-Prime, Matlab, Experiment Builder.

### **Languages**

Moderately proficient in French, with practise. Also speak basic German and Spanish.

### **Extra-curricula**

As well as an avid cyclist, I love windsurfing, snowboarding, chess and computer games. I also go in-door climbing and regularly run, having completed the 2008 Birmingham half-marathon. I also meditate on occasion.

### **Referees**

Professor Glyn W. Humphreys	Dr Alan Kinstone
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