

Curriculum Vitae

Adrian Edward Ivan Thurrell

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Date of birth: 29th August 1977
Gender / Status: Male / Unmarried
Nationality: British
Driving licence: Car, clean

Education:

1988-1995 Manchester Grammar School
9 GCSEs at grade A
AS level Maths at grade A
4 A levels at grade A: Maths, Physics, Chemistry and Biology

1995-1998 Cambridge University
MA Natural sciences (Neurophysiology), 2:i
1st year modules taken: Chemistry, Cellular biology, Physiology and Maths
2nd year modules taken: Cellular biology, Physiology and Psychology
3rd year Physiology concentrating on sensory and motor neurology, initial set-up of virtual reality system written in Pascal as part of my final year project investigating the human visual system.

1998-2002 The Institute of Neurology, University College London
PhD 'Multisensory interactions concerning human self-motion' (in completion) investigated: a) Alterations in perception arising from the use of signals of walking speed from the legs by the visual system. b) Changes in visuo-postural processing during rotation of the neck. c) Differences in the use of signals of self-motion to control posture between Parkinsonian patients and 'normals'.
These experiments required the continued use of and running improvements to the virtual reality system set-up during my undergraduate project. Alterations included a stereoscopic display requiring communication with 3rd party equipment to measure head and eye positions. Data analysis and digital signal processing were done using Matlab.

Previous employment:

1995 / 1996 SSP, Manchester Airport (summer bar staff)

- 1999 Cambridge University Physiology Department (teaching undergraduate practical material)
- 2001 Cambridge University Physiology Department (supervision of two students' final year degree projects)
- 2002 Cambridge University Physiology Department (software development – alteration of Virtual Reality system)

Technical Skills:

Familiar with Word, Corel Draw, Excel, HTML, JavaScript, Pascal and Matlab and have some knowledge of C/C++, Delphi, OpenGL and Direct3D in DOS / Windows environments. I have successfully used Pascal to create and maintain a custom virtual-reality environment to conduct psychophysical experiments, including providing a stereoscopic display, interfacing head and eye-tracking devices and utilising other posturographic equipment.

Non-technical Skills:

I have a friendly, outgoing personality and people find me easy to talk to. This has proved advantageous during my experiences supervising undergraduates at Cambridge University, in turn allowing me to develop my people management skills. These have been complemented by the team-working, project management and presentation skills that I have been required to use during my PhD. I particularly enjoy problem solving, and derive much satisfaction from completing any job well done.

Other Activities / Interests:

I have played lacrosse for 12 years representing both Mellor and Cambridge University Lacrosse Clubs, the latter where I was also treasurer for 1996/7 and 1997/8, receiving a half-blue in 1998. I enjoy outdoor, fitness and co-ordination based pursuits such as mountaineering, skiing / snowboarding, roller-blading, running, swimming, juggling and cycling (where I have achieved podium positions at national level in mountain-biking competition).

Referees:

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Publications / Presentations:

1. H. K. Distler, A. Pelah, A. G. Bell, and A. E. I. Thurrell. The perception of absolute speed during self-motion. *Perception* 27: 139, 1998. (Abstract)
2. A. E. I. Thurrell, A. Pelah, and H. K. Distler. The influence of non-visual signals of walking on the perceived speed of optic flow. *Perception* 27:147, 1998. (Abstract)
3. A. E. I. Thurrell, P. Bertholon, and A. M. Bronstein. Reorientation of a visually evoked postural response does not require cognitive knowledge of display relative angular position. *Journal of Physiology*, 1999. (Abstract)
4. A. E. I. Thurrell, P. Bertholon, and A. M. Bronstein. Reorientation of a visually evoked postural sway response during passive whole body rotation. *Experimental Brain Research* 133: 229-232, 2000.
5. A. Pelah, A. E. I. Thurrell, and M. Berry. Reduction of perceived visual speed during locomotion: Evidence for quadrupedal perceptual pathways in human? *Journal of Vision* 1 (3): 307a, 2001. (Abstract)
6. A. E. I. Thurrell and A. M. Bronstein. Vection induced re-orientation in a visually evoked sway response. ISPG 2001. (Conference proceedings)
7. B. R. Bloem, N. Wijnberg, A. E. I. Thurrell, A. M. Bronstein. Posture in Parkinson patients: a proprioceptive problem? ISPG 2001. (Conference proceedings)
8. A. E. I. Thurrell and A. Pelah. Reduction of perceived visual speed during walking: Effect dependent upon stimulus similarity to the visual consequences of locomotion, 2002. (Abstract)
9. A. Pelah, A. E. I. Thurrell, and M. Berry. Reduction of perceived visual speed during walking: Evidence against the involvement of attentional or vestibular mechanisms, 2002. (Abstract)
10. A. E. I. Thurrell, K. Jáuregui-Renaud, M. A. Gresty and A. M. Bronstein. Vestibular influence on the cardio-respiratory responses to whole body oscillation after standing, 2002 (Abstract)

Full manuscript versions of 1, 2, 5, 6, 7, 8, 9 and 10 are currently in preparation / in press.