

Paul J Hughes

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Education

2003 – 2007: The University of Manchester	MPhys: Physics and Theoretical Physics (Upper Second) Projects undertaken include: <ul style="list-style-type: none">• Time Evolution in Diffusion and Quantum Mechanics• Particle-in-cell simulation of nonlinear plasma instabilities• Finding the ground state of a Helium molecule• Spin Echo Nuclear Magnetic Resonance
2001 – 2003: Durham Johnston College Sixth Form College	3 A Levels in Mathematics (A), Physics (A), Chemistry (B) 2 AS Levels in Economics (B) and Further Mathematics (B)
1996 – 2001: Woodham Community Technology College	10 GCSEs grades ranging from grades A* to B, including Mathematics (A) English (A*) and German (B)

Employment

September 2007 - Present Sellafield Ltd.	I have been accepted onto the company's Graduate Training Scheme. This is a two year introduction to the nuclear industry. My job involves working on a variety of new technologies including overseeing research programmes and I have recently been involved in writing Best Practicable Environmental Option Reports for regulatory governing bodies.
August 2005 - 2007 Copelaw Activities (Social Care and Health)	Casual Support Worker; Duties included working with 'targeted youths' in a variety of different activities. This often required me to manage difficult individuals and situations. Other duties included office work (mostly making arrangements for sessions) and the general maintenance of equipment and vehicles.
June – August 2005 MIS Environmental Ltd. (STEP Student Placement)	Whilst working for this asbestos surveying company I was given the task of proposing and implementing environmentally friendly practices with a view to achieve the ISO 14001 standard. In addition to this, I also undertook a research project into a new method of detecting asbestos. Both of these projects were delivered to the company for further review of their implementation.

Current/ Recent Voluntary Projects

Presentation Competition Winner: In November 2008 I participated in the British Nuclear Energy Society (Cumbria Branch) Young Graduate Network annual competition. I gave a review of alternative waste treatment options. In this presentation I discussed some of the issues associated with currently implemented technologies and how upcoming developments may address these problems.

Jamboree 2008: I was a member of the core team who organised an international Scout camp (Jamboree) which took place in August 2008. Over eleven months I was heavily involved in the design of the event, funding applications and team forming – which included individuals from scouting and elsewhere. I took key responsibility for the organisation of the Water Activities for 250 people over four days. My main function during the event was to manage a team of instructors whom I trained to enable them to achieve the BCJ Level 1 coach award. In addition to this I was the website designer and manager for the event – this involved regular communication with participants from Britain and abroad.

MLTB Summer Mountain Leaders Award: currently continuing my personal experience with the aim of undertaking the final assessment.

British Canoe Union Awards:

- **4 Star Inland Kayak** – A personal skills award
- **2 Star Open Boat (Solo)** – A personal skills award in a 'Canadian canoe'
- **Level 3 Kayak Coach** – A moving water coaching award

Unicycling: In June 2008 I completed a 111 mile charity unicycle ride over four days, raising approximately £2800 for The Parkinsons Disease Society.

Porlhews.co.uk: Through my personal website I not only maintain a journal of my projects, but I also provide physics reference material to university students free of charge.

Website Building: I design websites for companies, individuals and organisations. I am competent in HTML and CSS and I am currently learning how to produce interactive flash animations. I am completely self taught in this hobby. I am currently designing two websites – one for the Baden-Powell Scouts' Association and one for Streamlyte Paddles. Examples of my designs include:

www.kenhughescourses.com

www.jamboree.me.uk

Other Achievements and additional skills

Full clean UK Drivers Licence: held since September 2003

ILM Introductory Certificate in First Line Management

First Aid at Work: Basic 4 day certificate expires 15th June 2011.

Duke of Edinburgh's Award: gained at Bronze, Silver and Gold Levels. I have since continued to assist the group based at Newton Aycliffe Youth Centre in their expedition training.

Scouting: At the age of 18 I achieved the highest Scouting award – The St. George's Award.

Marathons: I've completed the 2008 Tough Guy Challenge, The 2007 Lewa Half Marathon (in Kenya), the 2004 and 2005 Flora London Marathon & the 2002 BUPA Great North Run.

References

References available on request.