

Dr Matthew Little

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Education and Qualifications

2002 – 2006 Loughborough University

PhD research project - 'DC Electrical Interconnection of Renewable Energy Sources in a Stand-Alone Power System with Hydrogen Storage'

2001 – 2002 Loughborough University

MSc Renewable Energy Systems Technology (Distinction)

1994 - 1998 Imperial College of Science, Technology and Medicine

MEng (Hons) Electronic and Electrical Engineering (Second Class (Lower division))

Awards: Imperial College Scholarship, Top Flight Bursary

A-Levels: Maths (A), Physics (A), Chemistry (B) and Further Maths (B).

GCSEs: 5 grade A, 5 Grade B, including French and German.

Employment History

Centre for Renewable Energy Systems Technology, Loughborough University

October 2006 – Present

Technical officer within the photovoltaic systems group, providing practical support to various research projects including: an outdoor photovoltaic measurement system, sun-tracking systems and maximum power point tracking algorithms.

Mayhem, London

October 1998 – April 2001

Mayhem imports and distributes electronic gadgets from the Far East to the UK. During my time the company grew rapidly, requiring many and varied skills to be developed. This included providing technical expertise and problem solving, liaising with manufacturers, testing laboratories and trading standards officers, design of new products, point of sale material, promotional material and packaging, regular buying trips to Hong Kong, organisation of trade fair stands and dealing with suppliers and the public on a daily basis.

National Design and Technology Education Foundation, Winchester

July - August 1995, 1996, 1997, 1998

NDTEF provides courses and accreditation in business studies, technology and information technology, including GCSE courses for Edexcel Foundation. Tasks included processing GCSE examination papers, checking the marking of the papers and filing them ready for grading and standardisation meetings and leading a team of 15 organising the booking in, checking and filing of scripts.

Skills and Interests

Engineering Skills

Design and construction of a wide variety of electronic and electrical devices.

Micro controller programming in assembler.

Design and production of printed circuit boards.

I have completed the City & Guilds 2360 course in electrical installation, parts 1 & 2.

Computing Skills

Good knowledge of MS Windows, MS Office (Word & Excel).

Simulation and mathematical modelling in Matlab and Simulink.

Data acquisition and control systems in National Instruments LabView.

PCB and circuit design using Cadence Orcad, Pspice and EasyPC.

Programming in Visual C++, C and assembler.

Desktop publishing and design using Corel Draw, Photoshop and Illustrator.

SAGE accounting and sales order processing software.

Interests

Promoting renewable energy, in particular solar power, at various events with a travelling demonstration.

Collecting vinyl records, specialising in soul music from the 60's and 70's. Presenting soul music shows on university radio, and in student and public bars.

Building and repairing hi-fi equipment, and other electronic devices.

Cycling, juggling, cooking and gardening.

Holder of a full and clean drivers licence.