

# **Edward Fisher**

## **Personal Details:**

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## **Higher Education**

**Edinburgh University:** (September 2004 to June 2009)

- Masters Degree in Electrical and Electronics Engineering (.MEng)

- On course for 1<sup>st</sup> or high 2.1 degree
- Specialisation in Software and FPGA Design
- 5 Year course accredited by the IET
- Balanced mix of theory, practical, simulation work and team projects
- 5<sup>th</sup> Year Industry Based Thesis Project with ST Microelectronics

## **Master's Degree Thesis**

E. Fisher, "Development of Histogram based Exposure Control Techniques for Mobile Phone Imaging Sensors", ST Microelectronics, The University of Edinburgh, 2009.

Main thesis areas included:

- Image statistical linearisation techniques
- Psychology of image exposure using psychometric testing
- Development of 4D exposure preference space and scene detection algorithms

## **Fifth and Fourth Year Modules**

- FPGA programming using Handel-C
- Analogue AVLSI Design
- Microelectronic Device Physics
- Digital Communications and Circuit Engineering
- Management and Economics

## **Further Engineering Techniques**

- Python Programming (CGI Scripting and GUIs)
- Fuzzy Logic Control Techniques (Introduction)
- Modern Value Amplifier Design (Introduction and Theory)

## **Engineering and Design Software Skills**

- Cadence Simulation and Layout Design Suite
- C, C++, Python, WxPython and Handle-C Programming Languages
- Matlab and PSpice Simulation Packages

## Education

### **Queen Elizabeth Sixth Form College:** (Sept 02 to May 04)

- A Levels: Mathematics (A), Physics (A) and Chemistry (A)
- AS Level Computing (B)

### **Hurworth House School:** (September 1998 to May 2002)

- 10 GCSEs at A\* to B grades
- Physics (A\*), Geography (A\*), Mathematics (A), Chemistry (A), Biology (A), French (A)

## Career Aims

- Chartered Electrical Engineer
  - Chartered within 1.5 years of full time employment
- Further Education (PHD)

## Extra Curricular Interests

### **Fisher Photographics:** (October 2005 to Present Day)

- Freelance Photography with 3 years media experience
- [www.FisherPhotographics.co.uk](http://www.FisherPhotographics.co.uk)

## Achievements and Other Skills

- IT literacy with knowledge of many OS platforms, programming languages, image manipulation software and general purpose computing packages
  - Windows and Linux
- A full British driving licence
- Interpersonal, Teamwork and Problem Solving Skills
- Published photography (media, art and fashion)

## Referees

1. Name: **Prof Alan Murray** – Head of the Institute for Integrated Micro and Nano Systems  
Address: Rm. 96, Alrick Building, The School of Engineering and Electronics, Kings Buildings, Mayfield Road, Edinburgh, EH9 3JL  
Tel No: (0131)-650-5589 Email: [A.F.Murray@ee.ed.ac.uk](mailto:A.F.Murray@ee.ed.ac.uk)
2. Name: **Dr Alister Hamilton** - Director of University Studies  
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Tel No: (0131)-650-5597 Email: [Alister.Hamilton@ed.ac.uk](mailto:Alister.Hamilton@ed.ac.uk)
3. Name: **Dr Martin Reekie** – Analogue Design Lecturer  
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