

## RICHARD EDGAR HODGETT



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**Nationality:** British  
**Marital Status:** Single  
**Driver License:** Full, Clean.

### EDUCATION

Newcastle University

**PhD in Chemical Engineering and Advanced Materials** 2012  
"Multi-Criteria Decision-Making in Whole Process Design"

Newcastle University

**Introduction to Teaching and Learning in Higher Education** 2011  
Registered to complete the Newcastle Teaching Award in early 2012.

Queens University Belfast

**MEng in Product Design and Development** 2008  
2:1 Classification

Methodist College Belfast

**A-Levels in Mathematics, Computing and Technology** 2004  
Additional AS-Level in Economics

### AWARDS

Enterprise Scholarship, awarded by Newcastle Medical School and EPSRC. 2011

Newcastle University CEAM Postgraduate Conference, 2<sup>nd</sup> Prize. 2010

Make it Fly Competition, Newcastle University, awarded two prizes in the business ideas round. 2009

### POSITIONS OF RESPONSIBILITY

**Manager of the SysMA Research Group** (<http://research.ncl.ac.uk/sysma/>)

Organise the annual seminar series, design and maintain the database driven research website. 2009-2011

### TEACHING EXPERIENCE

Chemical Engineering and Advanced Materials, Newcastle University

**Stage 1 & 4: Introduction to Matlab** 2009-2011

Assisted teaching in the computer labs and marked student assignments.

Medical School, Newcastle University

**Stage 1-3: IT Skills** 2008-2011

Assisted teaching in the computer labs.

Chemical Engineering and Advanced Materials, Newcastle University

**Stage 2: Reactor Engineering** 2008-2011

Assisted teaching.

Facilitator for Enterprisers, Cambridge University Judge Business School.

Programme to inspire innovation and stimulate postgraduate students to think differently. 2010

### INDUSTRIAL EXPERIENCE

ERASMUS Placement, Chalmers University, Gothenburg, Sweden.

**Product Design Engineer, Modul-System** 2008

Six month project to design and develop a modular roof rack storage prototype.

IAESTE/British Council Placement, Ikarbus, Belgrade, Serbia.

**Product Design Engineer, Ikarbus** 2007

Two month placement. Procurement of equipment and develop engineering drawings.

## TECHNICAL SKILLS

An all round engineer who is always looking to find challenges and expand his skills and knowledge. Able to work on own initiative or as part of a team. Compliant in using Microsoft Windows, MS-DOS, MacOSX and Linux based operating systems. Vast experience (and certified qualifications) with Microsoft Office suite and Adobe design packages. Skilled in web programming; experience with HTML, PHP/MySQL and ASP.NET. Experience with application programming; Visual C# with .NET 4.0 and Matlab. Personal interest in mobile development, maintains apps on the Android App Store and Windows Marketplace. Trained with extensive experience in using CAD packages with the additional ability to use finite element analysis, flow injection optimisation and rendering software.

## RESEARCH INTERESTS

In depth interest in enterprise within science and engineering. Have experience with conceptualising ideas and developing them through to post prototype stage. Previous projects include a mechanical device to move hospital beds, group work table design, roof rack storage system, various websites and desktop/mobile software development. Currently talks are in place to negotiate a licensing deal in partnership with Newcastle University to distribute a package of management decision-making software produced while completing doctoral research (more information at [www.chemdecide.co.uk](http://www.chemdecide.co.uk)). Keen interest in decision-making throughout early product development. Especially in the choice of analytical technique(s) and selection of criteria/alternatives which accurately model a problem. Also interested in modeling the risks and uncertainties involved with rationalised decision-making throughout product development.

## PROFESSIONAL MEMBERSHIPS

Associate member of the HEA (Higher Education Academy).

Graduate member of the IEEE (*Institute of Electrical and Electronics Engineers*).

## RECOMENDATIONS

"I have known Richard for about two years. Richard is hardworking, self-motivated and result-oriented person. His creativity and innovative thinking are undoubtedly assets to any organisation. The greatest attributes what he possesses are his persistency and the thirst for excellence. Therefore, I do not hesitate to endorse Richard for any position where responsibility and accountability are must."

***Aruna Manipura.***

Research Associate, Newcastle University.

"I met Richard on Enterprisers. He showed a quiet determination and a human side at the same time. People like him are much needed in the world; hard working and genuine. I hope his diary allows him to come back as a facilitator again."

***Shailendra Vyakarnam.***

Director of the Centre for Entrepreneurial Learning, Cambridge University Judge Business School.

"Richard is a deep thinking and extremely enthusiastic engineer. He has clarity of vision and takes time to reflect. He has demonstrated exciting imagination which brings ideas to life. I recommend him as a first rate team player who can develop ideas and strategies."

***Alistair Fee.***

Visiting Professor of Innovation, Queens University Belfast.

The above recommendations can be viewed on LinkedIn (<http://www.linkedin.com/profile/view?id=60128556>)

## REFEREES

**Professor Gary Montague**

*Head of School & Director of Research Centre in Biopharmaceutical & Bioprocessing Technology, Newcastle University.*

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