

PhD  
*by publication*

*The Professionals' Choice*

# Working to a PhD

PhD *by publication*

Centre for Materials Research and Innovation (CMRI)



*Professionals in Practice*

[www.bolton.ac.uk](http://www.bolton.ac.uk)



**The Centre for Materials Research and Innovation (CMRI)** is a multidisciplinary centre which conducts research and innovative activities in collaboration with industry and other academic institutions.

**The Centre leads the UK with its strong applied and diagnostic approach to new and novel material-related technologies that embrace change and creativity in vision and application.**

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## R&D while working?

Many high calibre professionals undertake research and developmental activities while working. CMRI recognises that this often leads to outstanding results in terms of both knowledge advancement and commercial value.

The University of Bolton provides a PhD by publication that will formally acknowledge your professional work at the highest level. The programme is designed so that you don't have to leave work.

## Who Benefits?

A PhD will increase your depth of knowledge. Your organisation will benefit from an enhanced status and recognition at national and international levels.

You will have access to the equipment, facilities and expertise available at CMRI.

You will be able to network with industry professionals who use CMRI for partnership and collaboration.

## Can I register?

To qualify for registration, you must fulfil the following criteria:

- A good bachelors degree qualification or its equivalent.
- At least five years' industrial experience, with preferably two in R&D related activities.
- Be positive, enthusiastic and determined to succeed.

## How does it work?

You will be allocated two supervisors, one at your work and one at CMRI.

The PhD project is based on your company's needs and requirements.

Work is undertaken over three years and can form a single project or three integrated projects.

You will need to produce three academic papers, published in international journals, or generate one full international patent and two published academic papers. These will form the main part of your thesis.

Your work will be examined by Academic and Industrial external examiners. If your thesis is successful, you will be awarded a Doctor of Philosophy (PhD)

The Centre's established strengths are in the following areas:

- smart materials and intelligent systems
- medical and healthcare devices
- biomaterials
- microsystems
- renewable energy systems
- fire retardancy
- specialty composites
- technical textiles.

**CMRI**, The University of Bolton,  
Deane Road  
Bolton BL3 5AB  
United Kingdom.

[www.bolton.ac.uk/cmri/mscphd](http://www.bolton.ac.uk/cmri/mscphd)

Prof Elias Siores; [es3@bolton.ac.uk](mailto:es3@bolton.ac.uk)  
or Mrs Donna Zarei; [d.zarei@bolton.ac.uk](mailto:d.zarei@bolton.ac.uk).  
tel (0044 )1204 903101

For further details visit the University

[www.bolton.ac.uk](http://www.bolton.ac.uk)



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