

**De Montfort University
Graduate School Full Bursary PhD Scholarship
Modelling human physiology, thermal comfort and thermoregulation**

**Institute of Energy and Sustainable Development
School of Engineering and Sustainable Development, Faculty of
Technology
De Montfort University, Leicester**

COMMENCING OCTOBER 2016

A PhD research scholarship including stipend and tuition fee costs is offered within the Institute of Energy and Sustainable Development in the School of Engineering and Sustainable Development. It is available to UK or EU students who are suitably qualified and have outstanding potential as a researcher.

In offering this scholarship the University aims to further develop its proven research strengths in sustainable development and building simulation. It is an excellent opportunity for a candidate of exceptional promise to contribute to a stimulating, world-class research environment.

Computer simulation is widely used by architects and engineers to designing buildings to provide a safe and comfortable indoor environment. The aim of this research is to develop a new computer model of human physiology, thermal comfort and thermoregulation to be coupled with Computational Fluid Dynamics (CFD) to model the two-way interaction between the local indoor environment and a building's occupants. This new model will significantly extend the scope of building occupant modelling to enable a representative selection of people to be modelled with an appropriate demographic mix. Discussions suggest that this type of coupled system is much needed by industry to enable building designers to accurately and fully assess the likely performance of modern, complex indoor environments.

For a more detailed description of the scholarship, the subject area at DMU and an application pack please visit <http://www.dmu.ac.uk/research/graduate-school/phd-scholarships.aspx>. Please direct academic queries to Dr Paul Cropper on +44 (0)116 257 7967 or email pcc@dmu.ac.uk. For administrative queries contact Morgan Erdlenbruch at Morgan.Erdlenbruch@dmu.ac.uk. Completed applications should be returned together with two supporting references and an academic transcript.

Applications are invited from UK or EU students with a Master's degree or good first degree (First, 2:1 or equivalent) in a relevant subject. Doctoral scholarships are available for up to three years full-time study starting October 2016 and provide a bursary of ca. £14,296 pa in addition to University tuition fees.

Please quote ref: DMU Research Scholarships 2016: TECH FB4.

CLOSING DATE: Tuesday 31st May 2016.