

PhD studentship in Building Information Modelling of Industrial Facilities

One PhD Studentship is available to start on 1 Oct 2016 for suitably qualified candidates to conduct research leading to the award of a PhD degree in Engineering. The studentship topic is automating the generation of as-is geometric models of industrial facilities.

Description

This studentship will explore ways to detect existing building objects in spatial and visual data for the purpose of automating the generation of as-built geometric models of industrial facilities. The project will address both construction engineering and computer vision issues. The research will be supervised by Dr Ioannis Brilakis and conducted at the Construction Information Technology laboratory that is part of the Laing O'Rourke Centre for Construction Engineering and Technology. The studentship is partially funded by AVEVA and the Engineering and Physical Sciences Research Council (EPSRC) through the Industrial Cooperative Awards in Science & Technology (CASE) programme.

The candidate should be qualified to at least first degree level with an upper second or first class honours degree in an appropriate branch of Engineering (e.g. Civil, Information, Electrical, Mechanical) or Computer Science. The duration of the studentship is 4 years. It is fully funded (fees and stipend) for UK citizens as well as other EU citizens living in the UK for at least 3 years; it is partially funded (fees only) for EU citizens that are not UK residents. Additional funding may be provided through Cambridge scholarships for those applicants who apply before 1/12/2015.

Interested applicants should submit a standard application to the University (GRADSAF): <http://www.admin.cam.ac.uk/students/gradadmissions/prospec/>

Applications must be fully completed with a detailed CV and transcripts attached by 15/01/2016 to be considered. Dr Brilakis also welcomes informal enquiries.

Ioannis Brilakis, Ph.D.

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