



**Cork Constraint Computation Centre**

University College Cork

"Making Hard Choices Easier"



# Imprecise Probabilities for Reasoning with Risk

## Project Description

The aim of this project, which is part of a collaboration on risk between UCC and IBM, is to develop models for reasoning with risk based on imprecise probabilities and other uncertainty and cost formalisms. This is motivated by the fact that it can be very hard to obtain reliable and precise values of the probability and costs of some events, and an expert can sometimes be more comfortable with giving more qualitative probabilistic or cost information. In particular, we will develop graph-based algorithmic approaches for decision making under uncertainty using models of imprecise uncertainty and utility.

## Project Coordinator

Dr. Nic Wilson



IRCSET Enterprise Partnership Scheme

Postgraduate Research Award to Abdul Razak

Start Date: October 2010

End Date: September 2013

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<http://www.ibm.com/ie/en/>



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