



Cork Constraint Computation Centre

University College Cork

"Making Hard Choices Easier"



RECAP

Robust & Expressive Combinatorial Auctions for Procurement

Project Description

This project will develop technology for supporting robust procurement in high-value domains, such as the public-sector, using combinatorial auctions. We will enable bidders (suppliers) to state their preferences on supply contracts through an expressive bidding language. We will make use of technological advances in the fields of computer science and electronic commerce to enable large cost savings for the bid-taker. We will facilitate improved economic efficiencies by enabling suppliers to describe their ideal combinations of items to supply for a given cost, while minimising the overall cost of procurement for the bid-taker. We will trial this application in procurement auctions for a purchasing organisation in the healthcare sector during the course of this project.

Project Coordinator

Dr Barry O'Sullivan



ENTERPRISE
IRELAND

Enterprise Ireland

Technology Development Programme

Start Date: 01.01.2007

End Date: 31.08.2010



University College Cork

Computer Science
Department