



Cork Constraint Computation Centre

University College Cork

"Making Hard Choices Easier"

The Study of Constraint-based Reasoning and Programming

Project Description

Difficult problems can offer too many choices, many of which are incompatible, few of which are optimal. The Cork Constraint Computation Centre develops the basic science that will make it easier for computers to help us make these choices. Constraints arise in design and configuration, planning and scheduling, diagnosis and testing, and in many other contexts. Constraint programming can solve problems in telecommunications, internet commerce, electronics, bioinformatics, transportation, network management, supply chain management, and many other fields. Constraint programming already has wide commercial application, but much remains to be done to fully explore and exploit the technology. We apply advances in artificial intelligence and other disciplines to make constraint programming easier to use and more useful.

Project Coordinator

Prof. Eugene C. Freuder



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