



Clique is a Science Foundation Ireland Strategic Research Cluster focused on graph and network analysis and visualisation.

IMAGE: Force directed visualization
by Dr Aaron Quigley

ABOUT CLIQUE

Launched in February 2009, the aim of Clique is to develop software for analysing social and biological networks of objects and the relationships and interactions between them. Although two quite different application areas, at a data level the problems have similar structures and the practice of applying techniques developed in one area to the other is well established and has had a huge impact in recent years.

FUNDING

In February 2009, the Irish government announced €3.56 million in research funding for Clique; in addition to funding received from partner companies, the total industry and SFI funding is in excess of €5 million.

KEY AREAS OF RESEARCH

Clique aims to answer questions that have a direct impact on society, such as:

- Does credit card fraud have a characteristic pattern of transactions?
- Can we identify bad behaviour such as spamming or bullying based on the analysis of communications patterns?
- Can we gain insights into how information disseminates in networks?

OUTPUTS

The technology developed will be applied in internet services, fraud detection and bioinformatics.

COLLABORATION

Clique works with a range of industry partners including IBM, Ildiro and Norkom. Its academic partners are University College Dublin, DERI at NUI Galway and other academics around the world.