

Introductory Interdisciplinary Problem Session



*Hosted by the Department of Mathematics
Research Committee*

December 2016

Outline

- Research Committee Members
- Research Areas
- Examples of Research Achievements
- Contact Details



Research Committee Members

Dr Clodagh Carroll

Dr Maryna Lishchynska

Ms Sarah Murphy

Dr Declan O'Connor

Dr Catherine Palmer

Dr Seán Lacey

Dr J.P. McCarthy

Dr Áine NíShé

Dr Shane O'Rourke

Dr Noreen Quinn



Research Areas

Applied Mathematics

Computational Modelling

Data Analytics

Mathematics Education

Operations Research

Random Walks

Statistics

Behavioural Modelling

Dairy Industry

Geometric Group Theory

Mathematical Modelling

Principal Component Analysis (PCA)

Sentiment Analysis

Time Series Analysis and Regression

Examples of Research Achievements

Peer reviewed publications in journals of:

- Agricultural and Food Economics; Algebra and Computation; Biological Sciences; Food Sciences and Nutrition; Maritime Health; Microelectromechanical Systems; Microelectromechanical Systems; Sport Science etc.

Industrial collaborations with:

- Alimentary Pharmabiotic Centre, Astellas Pharma; Atlantia Food Clinical Trials; Kerry EMEA; Fraunhofer IZM; Novartis; Teagasc; Tyndall; Water Wipes etc.

Examples of Research Achievements

Academic collaborations with:

- EPFL (Lausanne); Institute of Technology Tralee; Stevens Institute of Technology (New Jersey); Trinity College Dublin; University College Cork; University College Dublin; University of Geneva ; University of Limerick; University of Oklahoma etc.

Supervision of numerous PhD and Masters by Research students

Worked on projects funded by:

- SFI; EI; IRCSET; EU.

Contact mathematics@cit.ie if you:

- Have a mathematical/statistical aspect to your research problem that needs solving?
- Are interested in performing analysis on your research findings?
- Want to add a mathematical edge to your research?