

# **Digital loyalty card ‘Big Data’ and small business marketing: Formal versus informal or complementary?**

## **Authors**

Dr Christina Donnelly  
School of Business  
Rowan House  
National University of Ireland (Maynooth)  
County Kildare  
Ireland

Dr Geoff Simmons  
Queen’s University Management School  
Queen’s University Belfast  
Riddel Hall  
Stranmillis Road  
Belfast  
United Kingdom  
BT9 5EE

Dr Gillian Armstrong  
Ulster Business School  
University of Ulster  
Shore Road  
Newtownabbey  
United Kingdom  
BT37 0QB

Professor Andrew Fearne  
Kent Business School  
University of Kent  
The Medway Building  
Chatham Maritime  
Kent  
United Kingdom  
ME4 4AG