



## **N8 Policing Research Partnership**

### **Training and Learning Strand Event**

Friday 30<sup>th</sup> September 2016

Location: Blu Raddison, Leeds

#### **Data Analysis, Management and Crime Mapping**

This event brings together practitioners and academics to discuss best practice and innovative approaches to analysing and managing data, as well as how data mapping techniques have been used to better understand crime patterns. Predictive modelling techniques have been utilised by police constabularies to tackle crime 'hotspots' and predict and then prevent crime. Exploring how police crime data can be used to estimate the probability that crime may be more likely to occur in a specific location at particular times has been a useful crime prevention tool. In addition, the analysis and management of data has been shown to be effective in the detection and prevention of specific crimes and the likelihood of repeat victimisation. The crime data we collect and the unit of measurement utilised impact our understanding of crime and its relationship to other social and economic factors and interventions; how we use crime data and the methods employed are crucial for effective evidence based policing. It is also necessary to theorise the causes of crime in order to prevent crime, thus the relationship between theorisation, the production and use of 'evidence' and theory-testing are also crucial for effective evidence based policing.

The event will be of interest to police practitioners who wish to learn more about data analysis and crime mapping techniques as well as the underlying principles and theories that underpin these approaches.

Places are free, lunch and refreshments are provided throughout the day. To confirm your place please email [s.kingston@lancaster.ac.uk](mailto:s.kingston@lancaster.ac.uk)

10.00am      Arrival & Refreshments

10.15am      Introduction

10.30am      Jude Towers, Lancaster University – *‘The Concept and Measurement of Violent Crime’*

11.15am      Les Humphreys, Lancaster University – *‘Using the PNC as a means to measure and analyse organized crime’*

12.00pm      Lunch - Fire Lake Restaurant

12.45pm      Ken Pease, UCL & David Oldroyd, formerly West Yorkshire Police – *‘Growing Your Own: The Experience of Local Approaches to Predictive Patrolling’*

1.30pm      Nick Malleson, University of Leeds – *‘Agent-Based Modelling, Ambient Populations and Models of Burglar Behaviour’*

2.15pm      Tea/coffee Break

2.30pm      Scott Keay & Russell Clark, Lancashire Constabulary – *‘Appliance of science: the practical application of criminological research to the workplace’*

3.15pm      Roundtable discussion – Future Training and learning needs

4.00pm      Close