

Dr Ian Turton

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Keywords <i>select as appropriate</i>		Security		o	Fraud Control		X	Privacy	o
<i>(Add keywords from list)</i>									
Research Overview:									
Works on the implementation of smart spatial pattern detection methods and how to make them more available by the addition of web interfaces. Also involved in some work to integrate the www and GIS systems as part of the Virtual Societies programme of the ESRC.									
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Research Project overviews:									
Researcher(s):									
email:									
details:									
Source Leeds web site									

1.1 Dr Steve Maybank

University of Reading

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Keywords <i>select as appropriate</i>	Security	<input checked="" type="checkbox"/>	Fraud Control	<input type="checkbox"/>	Privacy	<input type="checkbox"/>	
<i>(Add keywords from list)</i>	Biometrics			Data Warehousing			
Sensor Processing		Behavioural Studies					
Research Overview:							
<p>Biometrics and Sensor Processing Algorithms: Modelling and tracking people seen in cctv images</p> <p>Warehousing: Storage of annotated images obtained by cctv surveillance. Annotations describe activities in the scene, for example, level of crowding, whether people are walking or running.</p> <p>Behavioural Studies: Patterns of behaviour inferred from cctv images of people.</p> <p>The Computational Vision Group in the Department of Computer Science carries out research in the modelling and tracking of vehicles and people in cctv images. Algorithms have been developed for inferring the 3D motions of vehicles and people in complex scenes, for taking account of occlusions, and for inferring behaviours, for example, two people meeting, or a person remaining near a car.</p>							
Contact: Dr Steve Maybank				Tel: +44 (0)1189 316757			
Email: S.J.Maybank@reading.ac.uk							
Research Project overviews:							
<p>Researcher(s): S.J.Maybank; Paolo Remagnino; Tom Grove Prof David Hogg; School of Computer Studies, Leeds email: S.J.Maybank@reading.ac.uk; p.remagnino@kingston.ac.uk details: Model Based Visual Surveillance. EPSRC funded project in collaboration with the University of Leeds, grant reference GR/K46620, 1996-1998. The project combined a pedestrian tracker developed at Leeds with a vehicle tracker developed at Reading to make a single tracker for pedestrians and vehicles moving in close proximity in complex scenes.</p>							
<p>Researcher(s): S.J.Maybank email: S.J.Maybank@reading.ac.uk detail: ADVISOR. Framework V project on the analysis and storage of cctv images</p>							

of passengers taken in Metro stations. The aims are to estimate crowd densities and flows, to track individuals as they move from camera to camera, to classify and detect passenger behaviours, to detect hazardous situations and behaviours and to store and maintain an archive of annotated cctv images. A prototype system will be built and tested.

Other partners: Racal Research Ltd; Vigitec; Bull; INRIA; King's College London

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