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Keywords <i>select as appropriate</i>	Security	X	Fraud Control	x	Privacy	o	
<i>(Add keywords from list)</i>	Biometrics			Sensor Processing Algorithms			
Data Fusion	Intelligent Agent and Search Criteria			Access Control			
Behavioural Studies							
Research Overview:							
<p>The focus of the research is on the development of user friendly biometrics (face, voice) to prevent fraudulent access to teleservices, such as teleshopping, telebanking, to facilitate a controlled access to buildings and to support teleworking. A number of research directions are being pursued. The main goal is to devise personal identity verification and recognition algorithms based on face image. Diverse approaches have been explored, taking either holistic view or feature based view. For the latter we are assessing the role of lip dynamics as a potential source of discriminatory information. In voice based verification the emphasis is on the selection of discriminative features. Both text dependent and text independent techniques are investigated. One of the aims is to improve the performance and robustness of friendly biometrics by means of fusing multiple physical/logical modalities. Multiple expert fusion techniques and temporal fusion techniques have been developed for this purpose. Other relevant issues such as video content annotation and retrieval, and motion behaviour are investigated in the context of other projects.</p>							
Source HEI							

1.1 Dr. P. Sweeney**University of Surrey**

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Keywords <i>select as appropriate</i>	Security	x	Fraud Control	x	Privacy	o	
<i>(Add keywords from list)</i>	Watermarking						
Research Overview:							
Aims to develop a comprehensive approach to protection against digital video piracy based on the following tools:							
1 robust watermarking techniques for application to compressed video formats							
2 protocols for secure distribution to protect against fraud by purchasers or by merchants.							
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Source HEI							