

## 1.1 Dr Adrian Clark

## University of Essex

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<b>Keywords</b> <i>select as appropriate</i>	<b>Security</b>	x	<b>Fraud Control</b>	x	<b>Privacy</b>	o	
<i>(Add keywords from list)</i>	Biometrics			Face processing			
Video processing	Intelligent Agents			Neural networks			
Computational immunology	Fuzzy logic			Bayesian learning			
<b>Research Overview:</b>							
<p>We are working with Essex Police in the area of face recognition, our emphasis being in pose-independent recognition from video sequences. Of particular interest in this work is in measuring how well different approaches work and on what types of imagery.</p> <p>We have experience in image restoration and extensive knowledge of video coding and processing. We are starting up work in the automatic searching of video databases and this makes use of various recognition scheme, including those listed above.</p>							
<b>Contact:</b>				<b>Tel:</b>			
<b>Email:</b>							
<b>Research Project overviews:</b>							
<p><b>Researcher(s):</b> Simon Lucas  <b>email:</b>  <b>details:</b> Intelligent Agents and search criteria          Our interest in this area stems from our work in various aspects of pattern recognition. Simon Lucas, has developed a highly-efficient search scheme for database searching applied to handwritten data, and there is a general interest under the 'intelligent agent' heading for various recognition schemes. I am personally interested in the use of genetic programming for developing search algorithms for video databases.</p>							
<p><b>Researcher(s):</b> Adrian Clark  <b>email:</b>  <b>details:</b> Secure networks          I have an interest in monitoring the security of computer networks, particularly IP-based ones (ie the internet).</p>							
<b>Source HEI</b>							