

### 1.1 Professor J R Sambles

### University of Exeter

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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>	Security marking (anticounterfeiting)		Stealth			
<b>Research Overview:</b>						
<p>At the School of Physics, University of Exeter, a research program is underway, funded by BBSRC and DERA, to discover the 'smart' material techniques used by nature to produce vivid structural colour in butterfly wings. The Exeter group led by professor Roy Sambles have discovered remarkable combined use of diffractive and multilayer optics the understanding of which is providing new routes to security marking of banknotes and goods as well as possible 'emergency' clothing material for high visibility. In addition by taking the principles which underly the functioning of the butterfly wing scale structures into other than the visible region of the spectrum and with materials other than the organics used by nature a wealth of new wavelength selective surfaces are being developed.</p>						
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<b>Email:</b>						
<b>Source HEI</b>						

## 1.1 Bill Tupman

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<b>Keywords</b> <i>select as appropriate</i>		<b>Security</b>	o	<b>Fraud Control</b>		x	<b>Privacy</b>	x
<i>(Add keywords from list)</i>								
<b>Research Overview:</b>								
<p>I work on Fraud control and Privacy. I am at present completing a book on '@the technology of policing and the policing of technology'</p> <p>See <a href="http://www.ex.ac.uk/politics/pol_data/undergrad/Websites.html">http://www.ex.ac.uk/politics/pol_data/undergrad/Websites.html</a></p> <p>I am also an Associate Research Fellow at the Institute of Advanced Legal Studies and thus part of Prof Barry Rider's Fraud Group there.</p>								
<b>Contact:</b>				<b>Tel:</b>				
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<b>Research Project overviews:</b>								
<b>Source HEI</b>								