

### 1.1 Dr G Wade

### University of Plymouth

<b>Higher Education Institute :</b>		University of Plymouth					
<b>Faculty/School/Group :</b>		SECEE, Communications Group					
<b>Address:</b> SECEE, University of Plymouth, Plymouth, Devon, UK							
<b>Contact:</b> Dr Graham Wade				<b>Tel:</b> 01752 232510			
<b>Email:</b> j.wade@plymouth.ac.uk							
<b>Keywords</b> <i>select as appropriate</i>		<b>Security</b>		<input type="radio"/>		<b>Fraud Control</b>	
				<input type="radio"/>		<b>Privacy</b>	
				<input type="radio"/>		<input type="radio"/>	
<i>(Add keywords from list)</i>		Watermarking					
<b>Research Overview:</b>							
Spread-spectrum based watermarking of broadcast quality video material for copyright protection and fingerprinting. Research covers both uncompressed and compressed (MPEG-2) video. A collaborative project with industry and European Universities spanning 08.1999- 08/2002.							
<b>Contact:</b> Dr Graham Wade				<b>Tel:</b> 01752 232510			
<b>Email:</b> j.wade@plymouth.ac.uk							
<b>Research Project overviews:</b>							
<b>Researcher(s):</b> G Wade; A Ambroze; C Serdean; M Borda <b>email:</b> j.wade@plymouth.ac.uk <b>details:</b> The project objective is to develop novel watermarking algorithms to maximise channel capacity. This involves advanced techniques such as Turbo coding, wavelet transformations, hashing, and perceptual marking based on HVS. Algorithms are subjected to unintentional attack (eg compression) and intentional attack (such as collusion), and are evaluated using a state-of-the-art broadcast quality testbed facility. Dr Wade is the Project Coordinator.							
<b>Source HEI</b>							

**Professor D.J. Mason****University of Plymouth**

<b>Higher Education Institute :</b>		University of Plymouth					
<b>Faculty/School/Group :</b>		Department of Sociology					
<b>Address:</b> Faculty of Human Sciences, University of Plymouth, Drake Circus, Plymouth PL4 8AA							
<b>Contact:</b> Professor David J Mason				<b>Tel:</b> +44 1752 233232			
<b>Email:</b> D.Mason@plymouth.ac.uk							
<b>Keywords</b> <i>select as appropriate</i>		<b>Security</b>		<input type="radio"/>		<b>Fraud Control</b>	
				<input type="radio"/>		<b>Privacy</b>	
						<input checked="" type="checkbox"/>	
<i>(Add keywords from list)</i>							
<b>Research Overview:</b>							
<p>The increasing use at work of electronic technologies with the capacity to exercise surveillance, even when not designed for this purpose, raises questions about the implications for employees' privacy.</p> <p>The research will have implications for the developers of surveillance and surveillance-capable technologies who, without a clear understanding of the likely reactions of employees, are unable to develop systems that achieve organisations goals without transgressing the boundaries of legitimate surveillance and giving rise to acts of resistance or subversion.</p> <p><a href="http://www.brunel.ac.uk/research/virtsoc/home.htm">http://www.brunel.ac.uk/research/virtsoc/home.htm</a> Part of the 'Virtual Society' ESRC Research Programme</p>							
<b>Contact:</b> Professor David Mason				<b>Tel:</b>			
<b>Email:</b> D.Mason@plymouth.ac.uk							
<b>Research Project overviews:</b>							
<b>Researcher(s):</b> Professor D Mason; Dr Graham Button							
<b>email:</b>							
<b>details:</b> Award: L132251036							
<b>Source ESRC web site/HEI</b>							