



8th July 2009 - Loughborough University

<b>Session Title:</b> An innovative approach to delivering secure and efficient e-assessment: thin clients, smart cards, virtual desktops and integrated systems.
<b>Format:</b> Presentation
<b>Presenter:</b> John Dermo
<b>Institution:</b> University of Bradford
<b>Website:</b> <a href="http://www.jisc.ac.uk/whatwedo/programmes/institutional_innovation/its4sea.aspx">http://www.jisc.ac.uk/whatwedo/programmes/institutional_innovation/its4sea.aspx</a>
<b>E-mail:</b> <a href="mailto:j.dermo@bradford.ac.uk">j.dermo@bradford.ac.uk</a>
<b>Country:</b> UK
<b>Summary:</b> <p>This presentation looks at how large cohorts of students can be assessed in a valid, efficient, secure and scalable way. The University of Bradford has used cutting-edge thin client technology to create a new e-assessment facility, as well as looking into streamlining administrative procedures. This has been used for the first time in examination periods in 2009, with considerable success.</p> <p>The session presents findings and recommendations from the JISC Institutional Exemplar project "Integrating technologies for secure e-assessment" (ITS4SEA 2007-9), as well as discussing the major challenges faced.</p> <p>The project had four key deliverables</p> <ol style="list-style-type: none"><li>1. A new 100-seater thin client cluster, dedicated primarily to summative e-assessment, but also designed to be flexible enough for formative assessment and general teaching purposes.</li><li>2. The technology which makes this room possible: Sunray thin clients and servers, smartcards, virtual desktops and VMware servers.</li><li>3. Delivering summative e-assessment through a dedicated high-stakes installation of Questionmark Perception (QMP), supported by secure customized virtual desktops using Appsense user environment management.</li><li>4. Testing the concept of integrated systems and processes for efficient e-assessment: linking QMP to the student record system (Tribal SITS) and exam scheduling software (Syllabus+) using Questionmark Web Integration Services environment (QMWISe).</li></ol>

