

James Denholm-Price

Kingston University

## **Using Numbas for formative and summative assessment**

### **Day 1 – Parallel I (11.30-12.00)**

Kingston University's school of mathematics adopted the "Numbas" maths eAssessment system under a "practice transfer" project from the National HE STEM Programme. We have used Numbas to move from a set of paper-based summative assessments to computer-based formative and summative assessments in Kingston's first year linear algebra module. Overall the project has been successful with beneficial outcomes for staff and students. In this presentation the broad outcomes from the first use of Numbas in a live module at Kingston will be presented, focusing on student participation with the formative component of the assessment process and its effects on summative assessment. We will finish by describing the lessons learnt and best practice identified from the project that might be useful to anyone else considering adopting computer-based assessment or who might have doubts about its utility in mathematics.