



# Workshop on Innovations in University Mathematics Teaching

Cardiff School of Mathematics

7th to 8th of July 2014

## Day 1

### Session 1: 1020 - 1230

(Room: M0.40)

- 1020 - 1030: **Welcome and Introduction** (Paul Harper)
- 1030 - 1130: **Flipping the University Mathematics Classroom: A Gateway to Lifelong Learning** (Robert Talbert)
- 1130 - 1200: **Using a Flipped Classroom in a Large Programming Course for Mathematicians** (Vince Knight)
- 1200 - 1230: **Implementing Peer Instruction in large classes** (Toby Bailey)

### Lunch: 1230 - 1315

(Room: M1.02)

### Session 2: 1315 - 1445

(Room: M0.40)

- 1315 - 1345: **The flipped classroom in the Biosciences: Experiences, student views and future uses** (Steve Rutherford)
- 1345 - 1415: **Panel discussion on flipped classrooms**
- 1415 - 1445: **Moore Method and mathematical problem solving** (Chris Sangwin)

### Session 3: 1500 - 1630

(Room: M0.40)

- 1500 - 1630: **Inquiry-Based Education in Mathematics: Models, Methods, and Effectiveness for Higher Education - Part 1** (Theron Hitchman and Dana Ernst)

### Dinner: 1900 -

- Moksh Indian Restaurant. Cardiff Bay.





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## Day 2

### Session 4: 0930 - 1300

(Room: M0.40)

- 0930 - 1300: **Inquiry-Based Education in Mathematics: Models, Methods, and Effectiveness for Higher Education - Part 2** (Theron Hitchman and Dana Ernst)

### Lunch: 1300 - 1345

(Room: M1.02)

### Teaching Cafe: 1345 - 1345

(Room: M0.40)

- 13.45 - 15.15: **Teaching Cafe: encouraging delegates to discuss how some of the methodologies presented could be used in their own classes**
- 15.15 : **Closing remarks**

