

**PROGRAMME**  
**21st SEPTEMBER MEETING**

CIT CORK  
1–2 SEPTEMBER 2008

**Monday, 1 September**

- 10:00–10:45 Registration and coffee
- 10:45–11:00 Opening remarks
- 11:00–11:50 **Daphne Gilbert (DIT)**  
*Singular Sturm–Liouville boundary value problems on the line*
- 12:00–12:25 **Patrick Quill (CSO)**  
*An Input-Output model of the Irish economy*
- 12:30–12:55 **Sander Zwegers (UCD)**  
*Mock modular forms*
- 13:00–14:00 Lunch
- 14:00–14:50 **Bill Lynch (NCCA)**  
*Project Maths—developments in post-primary mathematics education*
- 15:00–15:25 **Jerome Sheahan (NUIG)**  
*Linking probability and statistics*
- 15:30–16:00 Coffee
- 16:00–16:50 **Martin Bridson (Oxford)**  
*The geometry and complexity of finitely presented groups*
- 17:00–18:00 IMS Committee Meeting
- 19:30 Conference Dinner

**Tuesday, 2 September**

- 9:30–9:55     **Robin Harte (TCD)**  
*Where algebra and topology meet:  
a cautionary tale*
- 10:00–10:25   **Cora Stack (IT Tallaght)**  
*On the powers of a nilpotent algebra*
- 10:30–11:00   Coffee
- 11:00–11:50   **Niall Smith (CIT)**  
*Castles, martians and algorithms*
- 12:00–13:00   IMS Annual General Meeting
- 13:00–14:00   Lunch
- 14:00–14:50   **Conor Houghton (TCD)**  
*Understanding spike trains*
- 15:00–15:25   **Ciaran Mac an Bhaird (NUIM)**  
*The use of technologies to create an  
active mathematical environment for students*
- 15:30–15:55   **Martin Kilian (UCC)**  
*On the Lawson conjecture*
- 16:00–16:30   Coffee