PROGRAMME
15th SEPTEMBER MEETING

DEPARTMENT OF MATHEMATICS,
NATIONAL UNIVERSITY OF IRELAND, CORK
6–7 SEPTEMBER 2002

All talks were held in Aras na Laoi (AL8).

Friday 6th

10:30–11:00 Registration and Coffee

11:00–11:10 Welcome address by Dr Gerard Wrixon,
President of University College Cork

11:10–12:00 Alexei Pokrovskii (UCC)
Equations with hysteresis nonlinearities:
what does it mean, and why bother?

12:00–12:30 Tom Brady (DCU)
The linearity of the braid groups

12:20–13:00 James Gleeson (UCC)
Microscale fluid mixing

13:00–14:30 Lunch

14:30–15:20 Albert Baernstein (U Washington, St Louis)
The stretch conjecture for Lipschitz
functions in the plane

15:20–15:50 Stephen Wills (UCC)
Matrices versus tensor products:
and application of operator spaces

15:50–16:10 Coffee
16:10–17:00  **Imre Leader (U Cambridge)**  
*Partition regularity*

17:00–18:00  **Maria Meehan (UCD)**  
*Mathematics by Example*

18:00  Reception

**Saturday 7th**

9:30–10:20  **Stephen Gardiner (UCD)**  
*Poisson kernels, sets of determination, and approximation on the boundary*

10:20–10:45  Coffee

10:45–11:35  **Peter Kennedy (UCC)**  
*Emerging applications of Mathematics in Microelectronics*

11:35–12:25  **John Lewis (CNRI, DIT)**  
*Large deviation theory in perspective*

12:25–13:00  Lunch

13:00–13:45  Annual General Meeting of IMS

**Tribute to Professor Finbarr Holland**

**Part A: Mathematics**

14:00–14:40  **Albert Baernstein (U Washington, St Louis)**  
*Recent work related to the Bloch and Landau covering constants*

14:40–15:10  **Pat McCarthy (NUI Maynooth)**  
*The geometry of reproducing kernels*

15:10–15:40  **David Walsh (NUI Maynooth)**  
*Criteria for membership of the mean Lipschitz classes*

15:40–16:00  Coffee
Part B: Mathematical Competitions and Problem Solving

16:00–16:15  Tom Laffey (UCD)
16:15–16:30  Imre Leader (U Cambridge)
16:30–16:45  Dave Flannery (Cork Institute of Technology)
16:45–17:00  Des MacHale (UCC)
17:00        Discussion
17:20        Meeting ends
19:30        Conference Dinner in the Blue Haven Hotel, Kinsale