

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