**PROGRAMME**
**14th SEPTEMBER MEETING**

Department of Mathematics, University of Limerick
3–5 September 2001

All talks were held in Room C2-062 Donogh O'Malley Theatre. The content of the talks was varied and stimulating, ranging from pure to applied mathematics with two talks devoted to mathematical education. One visitor to the meeting who came to hear *The Bookie Problem* is himself a retired bookie; another speaker dedicated his talk to Goldie Hawn on her birthday, which as it happens is November 21st! The banquet dinner was held in Gooser's restaurant in Ballina, Co. Tipperary. The final day included some well-presented talks by postgraduate students.

**Monday 3rd**

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| 10:30 | Registration and Coffee/Tea |
| 11:15 | Welcome address by Dr Roger Downer,<br>President of University of Limerick |
| 11:20–11:50 | **Eugene Benilov (U Limerick)**<br>*On the Existence of Solitary Wave Solutions to KdV-Type Equations* |
| 11:50–12:20 | **Rachel Quinlan (UCD)**<br>*Splitting Fields for Projective Representations* |
| 12:20–13:10 | **Adam McBride (U Strathclyde)**<br>*A Short Celebration of the Fractional Integral* |
| 13:10–14:40 | Lunch |
| 14:40–15:30 | **Maurice O'Reilly (St Patrick's, Drumcondra)**<br>*Mathematics from Junior Infants to Junior Freshman* |

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| 15:30–16:00 | **Michael Hayes (UCD)**<br>*Complex Eigenvalues of the Deformation Gradient* |
| 16:00–16:30 | Coffee |
| 16:30–17:20 | **A G Das (U Kalyani, West Bengal, India)**<br>*Generalised Schwabik-Henstock Integral and Ordinary Differential Equations* |
| 17:20–18:00 | Wine Reception |
| 18:00 | IMS Committee Meeting |

**Tuesday 4th**

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| 10:00–10:30 | **Micheál Mac an Airchinnigh (TCD)**<br>*Topos Logic for All* |
| 10:30–11:20 | **Pat Lambert (U Alaska, Fairbanks)**<br>*Quasi-Monte Carlo and the Challenge of Distributing Points Evenly* |
| 11:20–11:50 | Coffee/Tea |
| 11:50–12:40 | **Howard Waters (Heriot-Watt)**<br>*Genetic Tests and Life Insurance: some new Mathematical/Stochastic Models* |
| 12:40–13:10 | **Don Barry (U Limerick)**<br>*The Bookie Problem* |
| 13:10–14:40 | Lunch |
| 14:40–15:30 | **D K Ganguly (U Calcutta, India)**<br>*Some Generalisation of Continuous Functions* |
| 15:30–16:00 | **Robin Harte (TCD)**<br>*An Arens and Royden Laugh-in* |
| 16:00–16:30 | Coffee/Tea |
| 16:30–17:20 | **Adam McBride (U Strathclyde)**<br>*Enthusing Youngsters about Mathematics* |
| 17:20 | IMS Ordinary Meeting |
| 19:15 | Bus leaves from Plassey Village for Killaloe |

**Wednesday 5th**

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| 10:00–10.30 | **Patrick Muldowney (UU)**<br>*Modern Integration Theory in Finance* |
| 10:30–11:00 | **Colin Little (TCD)**<br>*Self-Reference in Formal Systems* |
| 11:00–11.30 | **Richard Hayes (TCD)**<br>*The Sam Loyd Prize* |
| 11:30–12:00 | Coffee/Tea |
| 12:00–12.30 | **Milena Venkova (UCD)**<br>*Extending Holomorphic Functions*<br>*on Non-Balanced Domains* |
| 12:30–13:00 | **Ali Ansari (U Limerick)**<br>*A Parameter Robust Method for Solving a Convection*<br>*Diffusion Problem with Mixed Boundary Conditions* |
| 13:00–14:20 | Lunch |
| 14:20–14:40 | **Stephen O'Brien**<br>*Sensor Induced Hammocking of a Bandage on a Limb* |
| 14:40–15:10 | **Michael Hayes (NUIG)**<br>*Fluid Flow over a Sinusoidal Topography* |
| 15.10 | Meeting ends |