THE IMS SEPTEMBER MEETING 1998

G. P. Shannon & C. T. Stretch

The eleventh September meeting of the Irish Mathematical Society was held on the 7th and 8th September 1998 at the Coleraine campus of the University of Ulster. The lectures were held in Lecture Theatre 9, Central Buildings. Thirty three people attended the meeting, the majority coming from all parts of Ireland, with one speaker from Scotland, two from England and one from Spain. Visitors were accommodated in the University houses and flats adjacent to the main building.

Professor Peter Roebuck, Provost of the Coleraine Campus, welcomed participants, and the president of the IMS, Dr Charles Nash, opened the proceedings. The guest speakers were Prof. David Epstein (Warwick), Prof. George Gettingby (Strathclyde), Prof. Ralph Henstock (UUC), Dr Bryan McMaster (QUB) and Dr Stephen O'Brien (Limerick). Once again the meeting was graced by excellently delivered talks covering a wide range of topics: analysis, mathematical modelling, theoretical physics, computer science, topology and mathematical education.

The conference banquet was held in the Bannside Dining Room on the campus followed by a convivial evening in the Senior Common Room where we joined forces with the Universities Chaplains annual conference. The latter organization kindly let us join in their table quiz in which certain participants were highly successful. Particular thanks are due to the SCR for making its facilities available to us, and especially for opening up on the Sunday evening to provide refreshment for our long distance travellers.

The full program was:

Monday 7th September, 1998

Prof. P. Roebuck (Provost, University of Ulster) *Welcoming address*
Dr C. Nash (IMS President) *Opening Remarks*
Prof. R. Henstock (University of Ulster, Coleraine) *Calculus and the gauge integral*
Dr. C. Houghton (University of Cambridge) *Multiskyrmions*
Prof. K. Houston (University of Ulster, Jordanstown) *Embedding key skills in the undergraduate mathematics courses*
Dr P. Muldowney (University of Ulster, Magee) *Feynman's path integrals and Henstock's non-absolute integration*
Dr M. Mac an Airchinnigh (Trinity College, Dublin) *Fundamental models of state change in programming*
Prof. G. Gettinby (University of Strathclyde) *Mathematics for the control of animal diseases, a trip to the zoo*
Dr C. Nash (St Patrick's College, Maynooth) *The Dirac operator in loop space and central extensions*

Tuesday 8th September, 1998

Dr A. Seda (University College, Cork) *Generalised ultrametrics, domains and an application of computer logic*
Dr S. O'Brien (University of Limerick) *Mathematical modelling of industrial problems*
Dr P. Ojha (University of Ulster, Jordanstown) *Enumeration of linear threshold functions*
Dr R. Timoney (Trinity College, Dublin) *Positivity of elementary operators*
Prof. D. Epstein (University of Warwick) *Learning by doing: beginning analysis*
Dr F. Blasco (Universidad Politechnica de Madrid) *Grothendieck's BB problem*
Mr K. Abodayey (University College, Cork) *Topological Chaos*
Dr B. McMaster (Queen's University Belfast) *The real line and transfinite induction*
Dr D. McSherry (University of Ulster, Coleraine) *Inferring football scores (in retrospect) as a constraint satisfaction problem*

The meeting was funded almost entirely by the Irish Mathematical Society, the School of Computing and Mathematics paying for a small shortfall in revenue. The secretarial staff of the school office provided invaluable organizational support which ensured the smooth running of the meeting. In conclusion the local organization committee would like to tender their sincere thanks to the committee of the IMS, all the speakers, the School of Computing and Mathematics, the SCR and everyone else who contributed to the success of the meeting.

Conference organizers:

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