PROGRAMME
17th ANNUAL MEETING (BMC2004)

Department of Pure Mathematics,
Queen's University Belfast
5–8 April 2004

The 17th Annual Meeting of the IMS was held, for the first time, as a joint meeting with the British Mathematical Colloquium and thus goes under the name *BMC2004* this time. The Organising Committee consisted of Dr M Mathieu (Chair), Prof D Armitage (Secretary), and Dr L Halbeisen (Treasurer). The meeting was financially supported by the London Mathematical Society, the Edinburgh Mathematical Society, and the IMS as well as by Belfast City Council and Queen's University Belfast

All talks were held in the Peter Froggatt Centre. The meetings on the Tuesday evening were held in Stranmillis College, and the Publishers' Reception took place in the Old McMordie Hall in the School of Music.

Monday 5th

13:00	Registration starts
15:00–16:00	Coffee and Tea
16:15–16:45	Opening Ceremony
17:00–18:00	**Plenary Lecture** **Efim Zelmanov (UCSD)** *On large pro-p groups*
18:30–20:00	Publishers' Reception
20:00	Dinner

Tuesday 6th

	Parallel Sessions
9:30–10:15	**Stephen Buckley (NUI Maynooth)** *Gromov hyperbolicity for analysts* **Robert Marsh (Leicester)** *Cluster algebras and tilting theory*
10:30–11:15	**Keith Carne (Cambridge)** *How an analytic function changes the length of a radius* **Goetz Pfeiffer (NUI Galway)** *Subgroups and cosets in finite Coxeter groups*
11:15–11:45	Coffee and Tea
11:45–12:45	**Plenary Lecture** **Gilles Pisier (TAMU & Univ Paris VI)** *Factorization of completely bounded maps on exact C^*-algebras and operator spaces*
12:45–14:15	Lunch
14:15–16:15	**Special Session** *Non-commutative Functional Analysis*
14:15–14:55	**Mikael Rørdam (Odense)** *Purely infinite C^*-algebras*
14:55–15:35	**Matthias Neufang (Ottawa)** *Quantization in abstract harmonic analysis*
15:35–16:15	**Marius Junge (Urbana)** *Embedding of the operator space OH and related results*
14:15–16:15	**Splinter Groups***
16:15–17:00	Coffee and Tea
17:00–18:00	**Plenary Lecture** **Claudio Procesi (Roma La Sapienza)** *The role of the Cayley-Hamilton identity in representation theory*

Tuesday 6th (ctd.)

18:30–19:30	Dinner at Stranmillis College
19:30–20:10	BMC Annual General Meeting
20:15–20:30	International Review of UK Mathematics
20:30–21:30	Presentation by Isaac Newton Institute
20:15–22:30	BMC Scientific Committee

Wednesday 7th

	Parallel Sessions
9:30–10:15	**Tom Carroll (NUI Cork)** *Harmonic measure in parabola-shaped regions in* $\mathbb{R}^n$ **Sergei Merkulov (Stockholm)** *Infinity constructions of local geometries*
10:30–11:15	**Sean Dineen (NUI Dublin)** *Banach-valued spectra* **Sandra Pott (York)** *Admissibility of observation operators and vector BMO functions*
11:15–11:45	Coffee and Tea
11:45–12:45	**Plenary Lecture** **Günter Ziegler (TU Berlin)** *On the combinatorics of the 3-sphere*
12:45–14:15	Lunch
14:15–16:15	**Special Session** *Combinatorics*
14:15–14:55	**Graham Brightwell (LSE)** *The number of linear extensions of a partially ordered set*
14:55–15:35	**Oliver Riordan (Cambridge)** *Scale-free random graphs*

Wednesday 7th (ctd.)

	Special Session (ctd.)
15:35–16:15	**Alex Scott (UCL)** *Independent sets, lattice gases and the Lovasz Local Lemma*
14:15–16:15	**Splinter Groups***
16:15–17:00	Coffee and Tea
17:00–18:00	**Plenary Lecture** **Samuel Patterson (Univ Göttingen)** *Squaring circles and circling squares— Gauss' Circle Problem*
19:00–20:00	Reception in Belfast City Hall
20:00–22:30	Conference Dinner in Belfast City Hall

Thursday 8th

	Parallel Sessions
9:30–10:15	**Alastair Wood (DCU)** *The influence of G.G. Stokes on the modern asymptotic theory of differential equations* **Graham Ellis (NUI Galway)** *Polytopes and the cohomology of groups*
10:30–11:15	**Mary Rees (Liverpool)** *Dynamics and automatic structure of groups* **Stephen Huggett (Plymouth)** *Tutte polynomials of links, graphs, and matroids*
11:15–12:00	Coffee and Tea
12:00–13:00	**Plenary Lecture** **Alexander Kechris (CalTech at Pasadena)** *Fraissé limits, Ramsey theory, and topological dynamics of automorphism groups*
13:00	Departure

***Splinter Groups**

Altogether 56 talks of 25min length were given in the following Splinter Groups:

Algebraic Geometry
Algebraic Topology
Differential Equations
Differential Geometry
Discrete Mathematics
Functional Analysis
General Topology
Group Theory
History of Mathematics
Lie Groups and Representation Theory
Logic and Set Theory
Mathematical Physics
Number Theory
Real Analysis
Ring Theory

On Monday 5th, a *Student Conference* was held at which 10 postgraduate students reported quite successfully on their research. In parallel, a meeting of the *North British Functional Analysis Seminar* was held in the David Bates building, at which Prof. Erling Størmer (Oslo) gave two 1-hour lectures.

The Committee and the General Meeting of the IMS were both held on Tuesday 6th.