LMS Durham Symposium
"Geometry and Cohomology in Group Theory"
Tuesday 12th July - Friday 22nd July 1994

Programme

Tuesday, 12th July

Arrival day and registration.

Wednesday, 13th July

Morning

09.00 - 09.50	M. Bridson	*"Quasi-isometry invariants of finitely generated groups"*
10.00 - 10.50	A. Ol'shanskii	*"Hyperbolic groups and their inductive limits I"*
11.00 - 11.30	**Coffee**	
11.30 - 12.20	G. Baumslag	*"Homology of finitely presented groups I"*

Afternoon

15.30 - 16.20	A. Adem	*"Characters, K-theory and cohomology of discrete groups"*
16.30 - 17.05	W. Neumann	*"Classifying automatic structures"*
17.15 - 17.50	D.B.A. Epstein	*"Bounded cohomology of hyperbolic groups"*
18.00 - 18.30	P.M. Neumann	*"Frobenius groups : A cohomological challenge"*
18.40 -	*Sherry Reception to welcome participants*	

Thursday, 14th July

Morning

09.00 - 9.50	J. Carlson	*"Cohomology, representations and quotient categories of modules I"*
10.00 - 10.50	P.A. Linnell	*"Analytic versions of the zero divisorconjecture "*
11.00 - 11.30	**Coffee**	
11.30 - 12.20	J.S. Wilson	*"Finitely presented soluble groups I"*

Afternoon

15.30 - 16.20	H. Bass	*T.B.A.*
16.30 - 17.05	G. Mislin	*"On the cohomology of the mapping class group"*
17.15 - 17.50	K. Vogtmann	*"Free factorizations of finitely generated free groups"*
	D.J. Benson	*"Cohomology of sporadic groups, finite loop spaces and the Dickson invariants"*
18.00 - 18.30	J. Greenlees	*"The local cohomology theorem for group cohomology"*

Friday, 15th July

Morning

09.00 - 9.50	R.I. Grigorchuk	*"Automata and group theory"*
10.00 - 10.50	A. Ol'shanskii	*"Hyperbolic groups and their inductive limits II"*
11.00 - 11.30	**Coffee**	
11.30 - 12.20	M. Bridson	*"Isoperimetric inequalities for finitely presented groups"*

Afternoon

15.30 - 16.20	M.W. Davis	*"Artin groups and hyperbolic complements"*
16.30 - 17.05	C. Champetier	*"The space of finitely generated groups"*
17.15 - 17.50	P. Papasoglu	*"On the asymptotic cone of groups satisfying a quadratic isoperimetric inequality"*
18.00 - 18.30	F.E.A. Johnson	*"Cohomological invariants of discrete isometry groups"*

Saturday, 16th July

Coach trip to Holy Island

Sunday 17th July

Morning

09.00 - 9.50	G. Baumslag	*"Homology of finitely presented groups II"*
10.00 - 10.50	M. Bridson	*"Combings of groups"*
11.00 - 11.30	**Coffee**	
11.30 - 12.20	R.I. Grigorchuk	*"Some famous problems of topology from a group theoretical point of view"*

Sunday 17th July

Afternoon Section 1

15.30 - 16.20	R. Geoghegan	*"Higher Euler characteristics of groups"*
16.30 - 17.05	E. Ventura	*T.B.A.*
17.15 - 17.50	I. Leary	*"On the exponent of group cohomology"*
18.00 - 18.30	J. Harlander	*"The virtual cohomological dimension of graph products of groups"*

Afternoon Section 2

15.30 - 16.20	Yu.V. Kuz'min	*"On Kulikov C-groups"*
16.30 - 17.05	H-W. Henn	*"Centralizers of elementary abelian p-groups, the Borel construction of the singular locus and applications to the cohomology of discrete groups"*
17.15 - 17.50	J. Cornick	*T.B.A.*
18.00 - 18.30	R.A. Fenn	*T.B.A.*

Monday, 18th July

Morning

0.900 - 09.50	J.S. Wilson	*"Finitely presented soluble groups"*
10.00 - 10.50	J. Carlson	*"Cohomology, representations and quotient categories of modules II"*
11.00 - 11.30	**Coffee**	
11.30 - 12.20	P.A. Linnell	*"Analytic versions of the zero divisor conjecture II"*

Afternoon

15.30 - 16.20	M. Dunwoody	*"Folding sequences for inaccessible groups"*
16.30 - 17.05	J.R.J. Groves	*"Geometric invariants for abelian-by-nilpotent groups"*
17.15 - 17.50	G. Noskov	*"Triangle buildings and Cayley complexes"*
18.00 - 18.30	G. Niblo	*"A bi-automatic structure for groups acting on non-positively curved cube complexes"*

Tuesday, 19th July

Morning

09.00 - 9.50	A. Ol'shanskii	*"Hyperbolic groups and their inductive limits III"*
10.00 - 10.50	J.S. Wilson	*"Finitely presented soluble groups III"*
11.00 - 11.30	**Coffee**	
11.30 - 12.20	G. Baumslag	*"Homology of finitely presented groups III"*

Afternoon

Cathedral Visit

Tuesday, 19th July
Evening

	Conference Dinner
19.00 - 19.30	*Sherry*
19.30 -	*Dinner*

Wednesday, 20th July
Morning

09.00 - 09.50	R.I. Grigorchuk	*"An independent system of relations and the Schur multiplier of a certain finitely generated infinite torsion group"*
10.00 - 10.50	J. Carlson	*"Cohomology, representations and quotient categories of modules III"*
11.00 - 11.30	**Coffee**	
11.30 - 12.20	P.A. Linnell	*"Analytic versions of the zero divisor conjecture III"*

Afternoon

15.30 - 16.20	J. Alonso	*"Quasi-isometry invariance and cohomological finiteness conditions"*
16.30 - 17.05	D. Benson	*"Cohomology of Sporadic groups, finite loop spaces and the Dickson invariants"*
17.15 - 17.50	H. Meinert	*"The higher geometric invariants of soluble groups of finite Prüfer rank"*
18.00 - 18.30	R. Thomas	*"Finitely presented semigroups"*

Thursday, 21st July
Morning

09.00 - 09.50	J. Carlson	*"Cohomology, representations and quotient categories of modules IV"*
10.00 - 10.50	M. Bridson	*"Groups acting on spaces of non-positive curvature"*
11.00 - 11.30	**Coffee**	
11.30 - 12.20	R.I. Grigorchuk	*"A survey of constructions and properties of groups of intermediate growth"*

Afternoon

15.30 - 16.20	M. Bestvina	*"The dynamics of automorphisms of F_n*
16.30 - 17.05	S.J. Pride	*"Second order Dehn functions"*
17.15 - 17.50	C.F. Miller	*"Isoperimetric functions of one-relator groups"*
18.00 - 18.30	M. du Sautoy	*"Zeta functions of groups : Functional equations"*

Friday, 22nd July

	Departure day