

# LMS Symposium on Groups and Combinatorics

## Programme for Friday, 6th July

9.10 - 10.00 Professor J. Tits  
Twin buildings and Kac-Moody type groups I

10.15 - 11.05 Professor R.W. Carter  
Representation theory of groups of Lie type I

### Coffee break

11.45 - 12.35 Professor G.M. Seitz  
Subgroups of groups of Lie type I

4.15 - 5.05 Professor M. Aschbacher  
Uniqueness of sporadic groups I

5.20 - 6.10 Professor F. Buekenhout  
Finite linear spaces with flag-transitive automorphism groups

# LMS Symposium on Groups and Combinatorics

## Programme for Saturday, 7th July

- 9.10 - 10.00 Professor J.G. Thompson  
Discrete groups and Galois theory I
- 10.15 - 11.05 Professor R.W. Carter  
Representation theory of groups of Lie type II

Coffee break

- 11.45 - 12.35 Professor G.M. Seitz  
Subgroups of groups of Lie type II

- 4.15 - 5.05 Professor M. Aschbacher  
Uniqueness of sporadic groups II

- 5.20 - 6.10 Professor P.J. Cameron  
Some Buekenhout geometries

# LMS Symposium on Groups and Combinatorics

## Programme for Monday, 9th July

- 9.10 - 10.00 Professor J. Tits  
Twin buildings and Kac-Moody type groups II
- 10.15 - 11.05 Professor B. Stellmacher  
Parabolic systems I

## Coffee break

- 11.45 - 12.35 Professor G.M. Seitz  
Subgroups of groups of Lie type III

- 4.00 - 4.30 Mr. G. Roehrlle Room 101  
Orbits in internal Chevalley modules
- Dr. D.F. Holt Room 107  
Computing finite quotients of finitely generated groups
- Dr. S. Wilson Room 221  
Smooth coverings of regular maps

## LMS Symposium on Groups and Combinatorics

### Programme for Tuesday, 10th July

- 9.10 - 10.00 Professor J. Tits  
Twin buildings and Kac-Moody type groups III
- 10.15 - 11.05 Professor P.J. Cameron  
Some unsolved problems in permutation groups

### Coffee break

- 11.45 - 12.35 Professor W.M. Kantor  
Asymptotic group theory
- 4.15 - 5.05 Professor J.G. Thompson  
Discrete groups and Galois theory II
- 5.20 - 6.10 Professor J.H. Conway  
The Vinberg groups

# LMS Symposium on Groups and Combinatorics

## Programme for Wednesday, 11th July

- 9.10 - 10.00 Professor J. Tits  
Twin buildings and Kac-Moody type groups IV
- 10.15 - 11.05 Professor B. Stellmacher  
Parabolic systems II

Coffee break

- 11.45 - 12.35 Professor G. Mason  
Orbifolds and moonshine

- 2.10 - 2.40 Professor J. McKay Room 101  
Moonshine and the modular equation
- Professor B. Hartley Room 107  
Some Brauer-Fowler type theorems
- 2.50 - 3.20 Professor R.W. Carter Room 101  
Automorphisms of Kac-Moody type groups
- Dr. K. Magaard Room 107  
Maximal subgroups of  $F_4$

Tea break

## LMS Symposium on Groups and Combinatorics

4.30 - 5.10	Dr. R.E. Borcherds Monstrous moonshine	Room 101
	Professor C.E. Praeger Permutation groups and relation algebras	Room 107
5.20 - 6.00	Professor M.A. Ronan Affine $\Lambda$ -buildings	Room 101
	Dr. P.M. Neumann Suborbits of transitive permutation groups	Room 107

---

### Programme for Thursday, 12th July

9.10 - 10.00	Professor J.G. Thompson Discrete groups and Galois theory III	
10.15 - 11.05	Professor J.H. Conway Fabulous groups - a generalization of Coxeter groups	

Coffee break

11.45 - 12.25	Professor B.H. Matzat Braids and Galois groups	Room 101
	Dr. Y. Segev On the uniqueness of $J_4$	Room 107

Afternoon free

## LMS Symposium on Groups and Combinatorics

Programme for Friday, 13th July (morning)

- 9.10 - 10.00 Professor F.G. Timmesfeld  
Groups generated by  $k$ -root subgroups
- 10.15 - 11.05 Professor G. Stroth Room 101  
Groups and apartments
- Professor E. Bannai Room 107  
Character tables of association schemes
- Coffee break
- 11.30 - 12.00 Professor J.I. Hall Room 101  
Locally finite 3-transposition groups
- Dr. D. Singerman Room 107  
Cusp number of the normalizer of  $\Gamma_0(N)$
- 12.10 - 12.40 Mr. R. Baddeley Room 101  
Multiplicity-free primitive permutation representations
- Professor S.D. Smith Room 107  
Weights and decompositions for induced modules on geometries

LMS Symposium on Groups and Combinatorics

Programme for Friday, 13th July (morning)

- 9.10 - 10.00 Professor J. Tits  
Heckling for beginners IV
- 10.15 - 11.05 Professor G. Stroth Room 101  
Groups and apartments (fully furnished, to let)
- Professor E. Bannai Room 107  
Tables of character assassination schemes
- Coffee break
- 11.30 - 12.00 Professor M. Aschbacher Room 101  
Some definitions III
- Dr. D. Singerman Room 107  
On catching trains
- 12.10 - 12.40 Mr. R. Baddeley Room 101  
Badminton scoring: an application of set theory
- Professor M. Aschbacher Room 107  
Some more definitions IV

LMS Symposium on Groups and Combinatorics

Programme for Friday, 13th July (afternoon)

- 4.00 - 4.50 Professor R. Guralnick Room 101  
Groups of primitive fixed gnus
- Dr. M. Aschbacher Room 107  
One or two more definitions V
- 5.00 - 5.40 Dr. P. Rowley Room 101  
Minimal carbolic cisterns
- Dr. J. van Bon Room 107  
Why Holland lost to West Germany
- 5.50 - 6.20 Mr. R. Lawther Room 101  
Producing symposium programmes under pressure
- Dr. S.P. Norton Room 107  
Footballs and doughnuts (please bring a visual aid)



LMS Symposium on Groups and Combinatorics

Programme for Saturday, 14th July (morning)

- 9.10 - 10.00 Professor P. Terwilliger Room 101  
Buildings in twin towns
- Professor G.M. Seitz Room 107  
Yet more further subgroups of groups of Lie type XXI
- 10.15 - 11.05 Professor J.H. Conway  
Hiding the monster
- Coffee break
- 11.45 - 12.35 Professor M. Aschbacher Room 101  
Just a couple more definitions, honest VI
- Dr. G. Malle Room 107  
Disconnected groups of Lie type as Galois groups

LMS Symposium on Groups and Combinatorics

Programme for Saturday, 14th July (afternoon)

- 2.00 - 2.30 Professor G.D. James Room 101  
Heck! Algebras
- Dr. C. Parker Room 107  
( $S_3, S_6$ )-anagrams
- 2.40 - 3.20 Professor M. Aschbacher Room 101  
Some final definitions VII  
(to enable theorems to be stated in next lecture)
- Dr. R.T. Curtis Room 107  
Simple presentations of sporadic symmetric groups
- 3.30 - 4.00 Dr. J. Saxl Room 101  
Organising symposia schedules to avoid repetition of material
- Dr. M.W. Liebeck Room 107  
Organising symposia schedules to avoid repetition of material