

LONDON MATHEMATICAL SOCIETY - SERC DURHAM SYMPOSIUM
THE GEOMETRY OF OPERATOR ALGEBRAS AND BANACH SPACES

PROGRAMME

21st -31st July 1992

Wednesday 22 July 1992

9.15 a.m.

ROOM E005

PROGRAMME ORGANIZATION

9.30 a.m. - 10.30 a.m.

G. PISIER - "Linear operators between C^* -algebras"

10.30 a.m. - 11.00 a.m.

Coffee

11.00 a.m. - 12.00 noon

H. KÖNIG - "On vector-valued series of orthogonal polynomials and the UMD-property"

4.15 p.m. - 4.45 p.m.

Tea

5.00 p.m. - 6.00 p.m.

K. DAVIDSON - "Representations and $*$ -dilation of finite dimensional algebras"

6.30 p.m.

RECEPTION IN GREY COLLEGE, IN FOUNTAINS HALL

Thursday 23 July 1992

ROOM E005

9.15 a.m. - 10.15 a.m.

P.W. JONES - "Structure of sets in \mathbb{R} " and applications to analysis; "Part I"

10.30 a.m. - 11.00 a.m.

Coffee

11.00 a.m. - 12.00 noon

L. TZAFRIRI - "The Paving Property in $B(\ell^2)$ "

2.15 p.m. - 4.15 p.m. (1 session)

Organizer: D.J.H. GARLING

2.15 p.m. - 2.45 p.m.

T. Gamelin - "Polynomial approximation in Banach spaces"

2.50 p.m. - 3.30 p.m.

J. Arazy - "Isometries of Banach algebras satisfying the von Neumann inequality"

3.35 p.m. - 4.15 p.m.

G. Blower - "Spectral theory for operator spaces"

4.15 p.m. - 4.45 p.m.

Tea

5.00 p.m. - 6.00 p.m.

G. PISIER - "Completely bounded multipliers and lacunary sets in non-amenable groups"

Friday 24 July 1992

9.15 a.m. - 10.15 a.m.

10.30 a.m. - 11.00 a.m.

11.00 a.m. - 12.00 noon

12.10 p.m. - 12.45 p.m.

2.00 p.m.

2.15 p.m. - 4.15 p.m. (2 sessions)

Organizer: J. LINDENSTRAUSS

2.15 p.m. - 2.45 p.m.

3.00 p.m. - 3.30 p.m.

3.45 p.m. - 4.15 p.m.

Organizer: K. DAVIDSON

2.15 p.m. - 2.45 p.m.

3.00 p.m. - 3.30 p.m.

3.45 p.m. - 4.15 p.m.

4.15 p.m. - 4.45 p.m.

5.00 p.m. - 6.00 p.m.

Saturday 25 July 1992

9.00 a.m. - 10.00 a.m.

10.00 a.m. - 10.30 a.m.

10.30 a.m. - 11.30 a.m.

11.40 a.m. - 12.40 p.m.

Sunday 26 July 1992

ROOM CG93

G.K. PEDERSEN - "The Geometry of the unit ball of a C^* -algebra"

Coffee

V.I. PAULSEN - "Morita theory for operator algebras"

M. MATHIEU - "Representing the central Haagerup tensor product by completely bounded operators"

PHOTOGRAPH - GREY COLLEGE STEPS

Organizers: J. LINDENSTRAUSS - "Banach spaces" and
K. DAVIDSON - "Operator algebras"

Room CG93

K. Ball - "A lower bound for lattice packings of balls in \mathbb{R}^n "

R. Haydon - "Infinitely differentiable norms and partitions of unity"

J. Lindenstrauss - "The surprising answer to Borsuk's conjecture"

Room CM107

A. Hopenwasser - "More direct limits of upper triangular algebras"

S. Power - "Homological generalizations of the K_0 classification of AFC^* -algebras to non-self-adjoint limit algebras"

F. Gilfeather - "Meyer-Vietoris for Hochschild cohomology of operator algebras"

Tea

P.W. JONES - "Part II"

ROOM CG93

V.I. PAULSEN - "Morita theory for operator algebras"

Coffee

T. GOWERS - "A space with no unconditional basic sequence and further results"

E.G. EFFROS - "The goals of quantization in mathematics and in functional analysis"

OUTING TO WHITBY

Monday 27 July 1992

ROOM CG93

9.15 a.m. - 10.15 a.m.

E.G. EFFROS - "Quantized Banach spaces, approximation properties and the structure of C^* -algebras"

10.30 a.m. - 11.00 a.m.

Coffee

11.00 a.m. - 12.00 noon

N. TOMCZAK-JAEGERMANN - "Bases in quotients of subspaces of Banach spaces"

2.15 p.m. - 4.15 p.m. (1 session)

Organizer: **V. PAULSEN** - "Operator spaces"

2.15 p.m. - 2.40 p.m.

G. Wittstock - "Divided differences as completely bounded operators and Loewner's theorem"

2.45 p.m. - 3.10 p.m.

Z-J. Ruan - "Mapping spaces for Operator spaces"

3.15 p.m. - 3.40 p.m.

D.P. Blecher - "The linking algebra"

3.45 p.m. - 4.10 p.m.

G. Blower - "Some spaces of non-commutative differentials"

4.15 p.m. - 4.45 p.m.

Tea

5.00 p.m. - 6.00 p.m.

U. HAAGERUP - "Exact C^* -Algebras, Quasitraces and Dimension Functions"

Tuesday 28 July 1992

ROOM CG93

9.15 a.m. - 10.15 a.m.

D. VOICULESCU - "Entropy and the Maceav ideal"

10.30 a.m. - 11.00 a.m.

Coffee

11.00 a.m. - 12.00 noon

K. BALL - "The plank problem for symmetric bodies"

2.30 p.m.

VISIT TO DURHAM CATHEDRAL

4.15 p.m. - 4.45 p.m.

Tea

5.00 p.m. - 6.00 p.m.

U. HAAGERUP - "Almost commuting unitary operators on an infinite dimensional Hilbert space"

Wednesday 29 July 1992

ROOM CG93

9.15 a.m. - 10.15 a.m.

V. MILMAN - "Spectrum and distortion in infinite dimensional Banach spaces"

10.30 a.m. - 11.00 a.m.

Coffee

11.00 a.m. - 12.00 noon

R.R. SMITH - "Ideals in the Haagerup tensor product"

2.15 p.m. - 4.15 p.m. (2 sessions)

Organizers: **S. POWER** and **U. HAAGERUP/E. KIRCHBERG**

Organizers: **U. HAAGERUP/E. KIRCHBERG**

Room CG93

2.15 p.m. - 3.15 p.m.

S. Wasserman - "Kirchberg's characterization of exact C^* -algebras"

3.20 p.m. - 3.50 p.m.

A. Katavolos - "Groups of C_p isometries for nest algebras"

3.55 p.m. - 4.25 p.m.

K. Harrison - "Indecomposable operators in the algebra of a finite distributive lattice"

Organizer: **P. SPAIN/J.R. PARTINGTON**

Room CM107

2.45 p.m. - 3.15 p.m.

J.R. Partington - "Interpolation in classical Banach spaces"

3.20 p.m. - 3.50 p.m.

V.V. Peller - "Superoptimal solutions of the Nehari problem for matrix-valued functions"

3.55 p.m. - 4.25 p.m.

P. Spain - "Sample values \rightarrow poles and zeros \rightarrow analytic approximation"

4.15 p.m. - 4.45 p.m.

Tea

5.00 p.m. - 6.00 p.m.

A. PELCZYNSKII - "Molecular decompositions of Sobolev spaces and applications to embedding theorems"

7.00 p.m.

RECEPTION

7.30 p.m.

CONFERENCE DINNER

Thursday 30 July 1992

ROOM CG93

9.15 a.m. - 10.15 a.m.

J. KRAUS - "Approximation properties for group C^* -algebras and group von Neumann algebras"

10.30 a.m. - 11.00 a.m.

Coffee

11.00 a.m. - 12.00 noon

E. KIRCHBERG - " C^* -algebras of subexponential growth"

2.15 p.m. - 3.15 p.m.

S. KISLIAKOV - "(q,p) summing operators on the disc algebra"

3.15 p.m. - 3.45 p.m.

Tea