London Mathematical Society Conference on Quantum Groups

PROGRAMME OF LECTURES

MONDAY 19 JULY		
2.00 p.m. - 7.00 p.m.		***Conference Registration (Holgate House, Grey College)***
7.00 p.m.		*Dinner (Main Dining Hall, Grey College)*
TUESDAY 20TH JULY		
9.00 a.m.	*S.L. Woronowicz*	Non-compact quantum groups (I)
10.00 a.m.	*S. Ariki*	Quantum groups and modular representation theory of Hecke algebras (I)
11.10 a.m. - 11.40 a.m.		*Coffee Break (CM103/CM105, Mathematical Sciences)*
11.45 a.m.	T. Koornwinder	Quantum groups and q-special functions (I)
1.00 p.m.		*Lunch (Main Dining Hall, Grey College)*
3.30 p.m.		*Tea Break (CM103/CM105, Mathematical Sciences)*
4.00 p.m.	A. Joseph	A survey of KPRV determinants
5.00 p.m.	S. Montgomery	Classification of finite dimensional Hopf algebras over $\mathbb{C}$
6.30 p.m.		***Sherry Reception (JCR, Grey College)***
7.00 p.m.		*Dinner (Main Dining Hall, Grey College)*
WEDNESDAY 21ST JULY		
9.00 a.m.	A. Varchenko	Elliptic quantum groups and quantum Knizhnik-Zamolodchikov-Bernard equations (I)
10.00 a.m.	S.L. Woronowicz	Non-compact quantum groups (II)

WEDNESDAY 21ST JULY (Continued)		
11.10 a.m. - 11.40 a.m.		*Coffee Break (CM103/CM105, Mathematical Sciences)*
11.45 a.m.	S. Ariki	Quantum groups and modular representation theory of Hecke algebras (II)
1.00 p.m.		*Lunch (Main Dining Hall, Grey College)*
3.30 p.m.		*Tea Break (CM103/CM105, Mathematical Sciences)*
4.00 p.m.	N. Yu. Reshetikhin	Quantization of integrable systems
5.00 p.m.	E. Effros	Illustrations of the quantized functional analysis associated with quantum groups
7.00 p.m.		*Dinner (Main Dining Hall, Grey College)*
THURSDAY 22ND JULY		
9.00 a.m.	T. Koornwinder	Quantum groups and q-special functions (II)
10.00 a.m.	A. Varchenko	Elliptic quantum groups and quantum Knizhnik-Zamolodchikov-Bernard equations (II)
11.10 a.m. - 11.40 a.m.		*Coffee Break - CM103/CM105 (Mathematical Sciences)*
11.45 a.m.	P. Etingof	Dynamical Yang-Baxter equation (I)
1.00 p.m.		*Lunch (Main Dining Hall, Grey College)*
2.00 p.m.		***Conference Group Photograph (Grey College Steps)***
2.40 p.m.		***Cathedral Visit***
7.00 p.m.		Dinner (Main Dining Hall, Grey College)
FRIDAY 23RD JULY		
9.00 a.m.	S. L. Woronowicz	Non-compact quantum groups (III)
10.00 a.m.	S. Ariki	Quantum groups and modular representation theory of Hecke algebras (III)
11.10 a.m. - 11.40 a.m.		*Coffee Break (CM103/CM105, Mathematical Sciences)*

FRIDAY 23RD JULY		
11.45 a.m.	P. Etingof	Dynamical Yang-Baxter equation (II)
1.00 p.m.		*Lunch (Main Dining Hall, Grey College)*
3.30 p.m. - 4.00 p.m.		*Tea Break (CM103/CM105, Mathematical Sciences)*
4.00 p.m.	R. Dipper	Modular representations of $GL_n(q)$
5.00 p.m.	I. Gordon	Quantized enveloping algebras at roots of 1 and characteristic p semisimple Lie algebras
7.00 p.m.		*Dinner (Main Dining Hall, Grey College)*
SATURDAY 24TH JULY		
9.00 a.m.	T. Koornwinder	Quantum groups and q-special functions (III)
10.00 a.m.	A. Varchenko	Elliptic quantum groups and quantum Knizhnik-Zamolodchikov-Bernard equations (III)
11.10 a.m. - 11.40 a.m.		*Coffee Break (CM103/CM105, Mathematical Sciences)*
11.45 a.m.	P. Etingof	Dynamical Yang-Baxter equation (III)
1.00 p.m.		*Lunch (Main Dining Hall, Grey College)*
3.30 p.m.		*Tea Break (CM103/CM105, Mathematical Sciences)*
4.00 p.m.	A. Zelevinsky	Tensor product multiplicities, string cones and generalized minors
5.00 p.m.	R. Carter	Canonical bases in quantum groups
7.00 p.m.		*Dinner (Main Dining Hall, Grey College)*
SUNDAY 25TH JULY		
9.15 a.m.		***Day Trip - Cragside House and Hexham***
7.00 p.m.		*Dinner (Main Dining Hall, Grey College)*

MONDAY 26TH JULY		
9.00 a.m.	P. Littelmann	On the q-Frobenius and applications (I)
10.00 a.m.	M. Kashiwara	Crystals for quantized affine Lie algebras (I)
11.10 a.m. - 11.40 a.m.		*Coffee Break (CM103/CM105, Mathematical Sciences)*
11.45 a.m.	E. Frenkel	The theory of q-characters for representations of quantum affine algebras (I)
1.00 p.m.		*Lunch (Main Dining Hall, Grey College)*
3.30 p.m. - 4.00 p.m.		*Tea Break (CM103/CM105, Grey College)*
4.00 p.m.	I. Frenkel	Basic representations of quantum toroidal algebras via Platonic solids
5.00 p.m.	H. Wenzl	Path algorithms for tilting modules
7.00 p.m.		*Dinner (Main Dining Hall, Grey College)*
TUESDAY 27TH JULY		
9.00 a.m.	P. Littelmann	On the q-Frobenius and applications (II)
10.00 a.m.	M. Kashiwara	Crystals for quantized affine Lie algebras (II)
11.10 a.m. - 11.40 a.m.		*Coffee Break (CM103/CM105, Mathematical Sciences)*
11.45 a.m.	E. Frenkel	The theory of q-characters for representations of quantum affine algebras (II)
1.00 p.m.		*Lunch (Main Dining Hall,Grey College)*
3.30 p.m. - 4.00 p.m.		*Tea Break (CM103/CM105, Mathematical Sciences)*
4.00 p.m.	V. Chari	Quantum affine algebras at roots of unity
5.00 p.m.	K.R. Goodearl	Quantized primitive ideal spaces as quotients of affine algebraic varieties
7.00 p.m.		***Sherry Reception (JCR, Grey College)***
7.30 p.m.		***Conference Dinner (Main Dining Hall, Grey College)***

WEDNESDAY 28 JULY		
9.00 a.m.	P. Littelmann	On the q-Frobenius and applications (III)
10.00 a.m.	M. Kashiwara	Crystals for quantized affine Lie algebras (III)
11.10 a.m. - 11.40 a.m.		*Coffee Break (CM103/CM105, Mathematical Sciences)*
11.45 a.m.	E. Frenkel	The theory of q-characters for representations of quantum affine algebras (III)
1.00 p.m.		*Lunch (Holgate House, Grey College)*
3.30 p.m. - 4.00 p.m.		*Tea Break (CM103/CM105, Mathematical Sciences)*
4.00 p.m.	H. Andersen	Tilting modules and deformations
5.00 p.m.	A. Premet	Generalized Gelfand-Graev progenerators for reduced enveloping algebras
7.00 p.m.		*Dinner (Holgate House, Grey College)*
DEPARTURE DAY		
Breakfast to be taken in Holgate House, Grey College		

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EVENING PROGRAMME OF LECTURES

WEDNESDAY 21ST JULY (Holgate House)		
9.00 p.m.	*P. Etingof*	On quantization of nonstandard quasitriangular structures on simple Lie algebras (after Travis Schedler)
9.40 p.m.	*D. Parashar*	On some 2-parameter quantum and Jordanian deformations, and their coloured extensions
THURSDAY 22ND JULY (Holgate House)		
9.00 p.m.	G. Letzter	Quantum symmetric pairs and their Harish-Chandra Modules
9.40 p.m.	I. Musson	Finite quantum groups and pointed Hopf algebras
FRIDAY 23RD JULY (Holgate House)		
8.30 p.m.	E. Beggs	An introduction to group doublecross products and some uses
9.10 p.m.	D. Radford	The reduced FRT construction
SATURDAY 24TH JULY (Holgate House)		
8.30 p.m.	B. Drabant	A survey of recent results on bialgebra factorizations
9.10 p.m.	R.J. Marsh	Quivers and quantum group combinatorics