Conformal Field Theory

PROGRAMME

Wednesday 10 July

9.00 am		*PROGRAMME ORGANIZATION*
9.30 am	Simon Donaldson	*Conformal Field Theory and Topological Calculations*
11.15 am	Jean-Bernard Zuber	*Common Features in CFT and Integrable Models*
5.00 pm	Graeme Segal	*Conformal Field Theory*
6.30 pm		*RECEPTION IN GREY COLLEGE*

Thursday 11 July

9.15 am	Vaughan Jones	*Knot Polynomials and Commuting Transfer Matrices*
11.15 am	Vincent Pasquier	*Quantization Conditions for Closed Toda Lattices*
2 pm – 4pm	*Afternoon Session on Integrable Deformations of Conformal Theories* (Giuseppe Mussardo)	
5.15 pm	Richard Borcherds	*Moonshine and Superalgebras*

Friday 12 July

9.15 am	Edward Corrigan	*Aspects of Affine Toda Field Theory*
11.15 am	Charles Thorn	*Reformulation of String Theory with the $1/N$-Expansion*
2.30 pm		*VISIT TO DURHAM CATHEDRAL*
5.15 pm	Adrian Ocneanu	*Operator Algebras and Topological Quantum Field Theories*
9.00 pm		*PUB QUIZ IN GREY COLLEGE BAR*

Saturday 13 July

9.15 am	Louis Kauffman	*q-deformed Spin Networks and the Turaev-Viro Invariant*
11.15 am	Jean-Loup Gervais	*Quantum Group Approach to 2D Gravity*
5.15 pm	Michael Thaddeus	*Cohomology of Moduli of Vector Bundles and Verlinde Rules*

Sunday 14 July

OUTING TO LINDISFARNE

Monday 15 July

9.15 am	Hubert Saleur	*Algebraic Reformulation of the 4 Colour Problem*
11.15 am	Werner Nahm	*New W-algebras and their Representations*
2 pm – 4 pm	*Afternoon Session on Topology & Quantum Groups* (Louis Kauffman)	
5.15 pm	Anthony Wassermann	*Conformal Field Theory and von Neumann Algebras*

Tuesday 16 July

9.15 am	Sir Michael Atiyah	*Duality for Calabi-Yau Manifolds*
11.15 am	Krzysztof Gawedzki	$SL(2, \mathbf{R})/O(2)$ *coset CFT*
5.15 pm	Tetsuji Miwa	*Affine Crystals and Vertex Models*

Wednesday 17 July

9.15 am	Greg Moore	*Two-Dimensional Gravity*
11.15 am	Hans Wenzl	*Braid Representations and 3-Manifolds*
2 pm – 4 pm	*Afteroon Session on 2D Gravity* (Paul Ginsparg)	
5.15 pm	Lisa Jeffrey	*Chern-Simons Path Integrals and the Symplectic Action Functional*
7.30 pm		*CONFERENCE DINNER*

Thursday 18 July

9.15 am	Herman Verlinde	*String Scattering on a Black Hole*
11.15 am	Sander Bais	*Non-abelian Anyons*
5.15 pm	Nick Warner	$N = 2$ *Supersymmetric Integrable Landau-Ginsburg Models*

"Unofficial" Sessions

Thursday 11 July: Integrable Deformations of Conformal Theories
    Organiser: *G. Mussardo*
    Speakers: **P. Dorey, D. Bernard and Q. Y. Park**

Saturday 13 July: 2-D Gravity and Topology of Moduli Space
    Speaker: **G. Segal**

Monday 13 July: Knots and Quantum Groups
    Organiser: *L. Kauffman*
    Speakers: **J-L. Gervais, D. Majid and B. Westbury**

Tuesday 16 July: Three Dimensional Manifolds
    Organiser: *J. Barrett*
    Speakers: **L. Kauffman, L. Jeffrey and J. Barrett.**

Wednesday 17 July: Elementary Introduction to Matrix Models and 2-D Gravity
    Speaker: **P. Ginsparg**