

L.M.S. Symposium on Geometry of low-dimensional manifolds

Programme: 12th July - 15th July 1989

Wednesday, 12th July	09.30 - 10.30	S. Donaldson Yang-Mills invariants for 4-manifolds - I
	11.00 - 12.00	Y. Eliashberg Filling by holomorphic discs and its applications - I
	14.30 - 15.30	D. McDuff Rational and ruled symplectic 4-manifolds
	17.00 - 18.00	A. Floer Instanton homology - I
Thursday, 13th July	09.30 - 10.30	S. Donaldson Yang-Mills invariants for 4-manifolds - II
	11.00 - 12.00	Y. Eliashberg Filling by holomorphic discs and its applications - II
	14.30 - 15.30	M. Atiyah Representations of braid groups on the cohomology of configuration spaces
	17.00 - 18.00	C. Okonek Algebraic aspects of representation spaces associated to Seifert spheres
Friday, 14th July	09.30 - 10.30	S. Donaldson Differential topology of algebraic surfaces
	11.00 - 12.00	A. Floer Instanton homology - II
	14.30 - 15.30	R. Fintushel Homotopy K3 surfaces
	17.00 - 18.00	R. Stern Integer Floer homology
Saturday, 15th July	09.30 - 10.30	N. Manton Skyrmions from instantons
	11.00 - 12.00	A. Floer Symplectic fixed points and Lagrangian intersections
	14.30 - 15.30	H. Hifer Topological properties of symplectic maps
	17.00 - 18.00	R. Tucker Distributional stress tensors and space time immersions

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Programme: 17th July - 20th July 1989

Monday, 17th July	09.30 - 10.30	E. Witten Some new results concerning the 3-dimensional Chern-Simons invariant - I
	11.15 - 12.15	D. Bennequin KP-equations and monodromy - I
40H14.15 - 15.00	M. Furuta	\mathbb{Z}/α invariant SU(2)-instantons on S^4
	15.15 - 16.00	K. Tod 3-dimensional Einstein-Weyl geometries
	17.00 - 18.00	A. Givental Non-linear Maslov index
Tuesday 18th July	09.30 - 10.30	E. Witten Some new results concerning the 3-dimensional Chern-Simons invariant - II
	11.15 - 12.15	D. Bennequin KP-equations and monodromy - II
	14.00 - 14.45	F.E.A. Johnson Fundamental groups of algebraic surfaces
	15.00 - 17.00	
		VISIT TO DURHAM CATHEDRAL
	17.30 - 18.30	J.D.S. Jones Braids and monopoles
Wednesday, 19th July	09.30 - 10.30	R. Gompf Topology of algebraic surfaces
	11.15 - 12.15	R. Kirby Reshetikhin-Turaev invariant of 3-manifolds
	14.30:	Film show in geography building (Room 309)
	15.15 - 16.00	D. Kotschick Algebraic surfaces with $p_g = 0$
	17.00 - 18.00	N. Hitchin 2-dimensional gauge theory
Thursday, 20th July	09.30 - 10.30	H. Rubinstein Singular geometry of 3-manifolds
	11.15 - 12.15	M. Kreck Knots in dimensions 4 and 5.
	14.15 - 15.00	J. Wood Harmonic morphisms of low-dimensional manifolds
	15.15 - 16.00	F. Burstall Minimal surfaces in quaternionic projective manifolds
	17.00 - 18.00	E. Witten 3 manifold invariants from functional integrals.

For participants NOT visiting the Cathedral tea will be served on 18th July in Grey College at 16.00 instead of in the department