

Loughborough University
Department of Mathematical Sciences

Geometry and Mathematical Physics Seminars 2015

Wednesdays 4 pm Room SCH 1.01

February 11 Yuji Kodama (Ohio and Leeds) Regular triangulations of point sets and solitons in two dimensions

February 18 Marta Mazzocco Laminations for Riemann surfaces with cusped boundaries

February 25 Brent Pym (Oxford) Quantum deformations of projective three-space

March 4 Sergey Agafonov (Estadual Paulista, Brazil) Gronwall's conjecture for symmetric 3-webs

March 12 Ian Marshall (HSE, Moscow) A new model in the Calogero-Ruijsenaars family

March 18 Eugene Ferapontov Integrability in Grassmann geometry

March 25 Theodore Voronov (Manchester) On volumes of some classical supermanifolds

April 15 Arkady Vaintrob (Oregon and Edinburgh) Cohomological field theories related to singularities and matrix factorizations

April 21 Ivan Izmistiev (FU Berlin) Colin de Verdiere matrices for graphs of polytopes

April 29 Alexey Bolsinov Geodesic equivalence and integrable tops

May 6 Alex Strohmaier An index theorem for Lorentzian manifolds with spacelike boundary

May 8-10 Workshop "Integrability and all that"

May 12 Giancarlo Benettin (Padova) The Fermi-Pasta-Ulam problem: old ideas, recent results, open problems

May 20 Anatoly Neishtadt On destruction of adiabatic invariance

October 7 Eugene Ferapontov Geometry of homogeneous 3rd order Hamiltonian operators

October 14 Martin Hallnas Exceptional orthogonal polynomials

October 21 John Toth (McGill and UCL) Restriction bounds for QE eigenfunctions

October 28 Nicola Pagani (Liverpool) A wall-crossing formula for the universal theta divisor

November 4 Paul Johnson (Sheffield) Lattice points and simultaneous core partitions

November 11 Artie Prendergast-Smith Cones of divisors and symmetries of varieties

November 18 Alexander Sergeev (Saratov) Orbits and invariants of super Weyl groupoid

November 25 Alexey Bolsinov Invariants of the coadjoint representation

December 2 Alexander Kasprzyk (Nottingham) Classifying Fano manifolds via mirror symmetry

December 9 Alexey Silantyev (Leeds) Calogero-Moser spaces and KP hierarchy for the cyclic quiver

Organiser: A.P. Veselov