

Loughborough University
Department of Mathematical Sciences

Mathematical Physics Seminars 2014

Wednesdays 4 pm Room W002

February 12 Ilia Roustemoglou On discrete Hirota type equations in 3D

February 14 (4pm, W190) Valentin Ovsienko (Lyon) Difference equations, Coxeter's frieze patterns and integrable maps

February 19 Peter Clarkson (Kent) Semi-classical orthogonal polynomials and the Painleve equations

February 26 TBA

March 5 TBA

March 12 G. Manno, G. Moreno TBA

March 13 T003, 5.15pm Sir David Wallace Lecture:
Sir Michael Atiyah Solitons in Analysis, Geometry and Physics

March 19 Mark Gross (Cambridge) TBA

March 26 Eugene Ferapontov, Andrea Savoldi Hamiltonian operators of hydrodynamic type

October 1 Boris Kruglikov (Tromsø) Gaps in symmetry dimensions and parabolic geometries - I

October 8 Boris Kruglikov (Tromsø) Gaps in symmetry dimensions and parabolic geometries – II

October 15 Evgeny Shinder (Sheffield) The Fano variety of lines and rationality problem for cubic hypersurfaces

October 22 Alexander Sergeev Symmetric Lie superalgebras and deformed Calogero-Moser systems

October 29 Sara Lombardo (Northumbria) Higher dimensional automorphic Lie algebras

November 5 Alexander Pushnitski (King's College) Introduction to spectral analysis of Hankel operators

November 12 Bruce Westbury (Warwick) Vogel's universal Lie algebra

November 19 Andy Hone (Kent) Linearizable recurrences with the Laurent property

November 26 David Calderbank (Bath) C-projective geometry and Kahler metrics with hamiltonian 2-forms

December 3 Ivan Cheltsov (Edinburgh) What are worst singularities of plane curves of given degree?

December 10 Rod Halburd (UCL) Discrete integrable equations from the Bäcklund transformations of the self-dual Yang Mills equations

Organiser: A.V. Bolsinov