

**Loughborough University**  
**Department of Mathematical Sciences**

***Geometry and Mathematical Physics Seminars 2016***  
**Wednesdays 4 pm Room SCH.1.01**

- February 17 Marta Mazzocco Quantum cluster algebras from geometry
- February 24 Michael Levitin (Reading) Spectra of indefinite linear pencils
- March 2 Alexey Bolsinov The Yano-Obata and Lichnerowicz conjectures in projective differential geometry
- March 9 Alexander Veselov Dodgson's condensation method for computing determinants and Burchnell-Chaundy polynomials
- March 17 (Thursday, 5pm) Diane Maclagan (Warwick) Introduction to tropical geometry
- April 20 Laszlo Feher (Szeged) Compact forms of the Ruijsenaars-Schneider system
- April 27 Alexey B. Sossinsky (IU, Moscow) The Euler functional and normal forms of knots and plane curves  
Alexandre Varchenko (North Carolina) Frobenius like structures in the theory of arrangements
- May 4 Dmitri Gurevich (Valenciennes) Quantum matrix algebras and their applications
- May 11 Lotte Hollands (Heriot-Watt) Introduction to quantum curves
- May 18 Matthew Woolf (Edinburgh) Non-unirationality of hypersurfaces in positive characteristic
- October 5 4-5pm Tamas Gorbe (Szeged)  
A Poisson-Lie deformation of the BC(n) Sutherland system  
and 5-6pm Pietro Giavedoni (SISSA)  
Canonical period matrices for real Riemann surfaces
- October 12 Alan Sokal (UCL) Some wonderful conjectures (but very few theorems) at the boundary between analysis, combinatorics and probability
- October 19 Constantin Shramov (HSE, Moscow) Finite groups of birational selfmaps

October 26 Martin Hallnas Spectra of complex Lamé operators

November 2 East Midlands Seminar in Geometry: Diletta Martinelli (Edinburgh), Miles Reid (Warwick), Alan Thompson (Warwick)

November 9 Matteo Casati Poisson vertex algebras

November 16 Artie Prendergast-Smith Intersections in higher codimension

November 25 Integrable Day: Marina Logares (Oxford), Laurent Manivel (Marseille), Al Kasprzyk (Nottingham), Jenya Ferapontov (Loughborough)

November 30 Jinhyung Park (KIAS, Korea) Newton-Okounkov bodies and asymptotic invariants of divisors

December 7 Lars Halvard Halle (Copenhagen) Degenerations of Hilbert schemes of points of surfaces

December 14 Elisa Postinghel Positivity of divisors on blown-up projective spaces

Organisers: H. Ahmadinezhad and A.P. Veselov