Workshop Programme

Sunday, October 26

Arrival day
19.00–20.00 Registration

Monday, October 27

8.30–9.00 Registration

Chairpersons P. Damianou and A.G. Nikitin

9.00–9.40 G. BLUMAN Construction of conservation laws: how the direct method generalizes Noether’s theorem
9.40–10.20 P. CLARKSON Rational solutions of soliton equations and applications to vortex dynamics
10.20–11.00 R. POPOVYCH Myths of nonclassical symmetry
11.00–11.30 Coffee break

Chairperson P. Leach

11.30–12.10 J. PATERA Orbit functions and corresponding Fourier-like transforms
12.10–12.50 M. NESTERENKO Orbit functions and classical problems of mathematical physics
12.50–13.30 V. PAPAGEORGIOU Yang-Baxter maps, dynamical Yang-Baxter maps and integrable lattice equations
13.30–17.00 Lunch break

Chairperson P. Clarkson

17.00–17.30 A. KISELEV Simple Lie algebras, involutive distributions of operator-valued evolutionary vector fields, and 2D Toda chains
17.30–18.00 H. BARAN A (1+1)-dimensional-type recursion operator for a (2+1)-dimensional integrable system
18.00–18.30 D. DEMSKOI On recursion operators for elliptic integrable models
18.30–19.00 P. XENITIDIS Integrability and symmetries of difference equations: the Adler-Bobenko-Suris case

Tuesday, October 28

Chairperson V. Papageorgiou

9.00–9.40 P. VANCHAECKE The geometry of Laurent solutions
9.40–10.20 H. SABOURIN Hight-2 Toda Systems
10.20–11.00 C. DASKALOYANNIS Quadratic algebras for quadratic superintegrable systems
11.00–11.30 Coffee break
Chairperson H. Sabourin
11.30–12.00  A. BORISOV On new integrable cases in nonholonomic mechanics
12.30–13.00 V. VLADIMIROV Compactons in the non-local hydrodynamic-type models
12.00–12.30 M. GANDARIAS Hidden and weak symmetries for partial differential equations
13.00–13.30 I. YEHORCHENKO Reduction of multidimensional non-linear d'Alembert equations to two-dimensional equations and classes of the reduced equations
13.30–13.40 Official photo
13.40–17.00 Lunch break

Chairperson M. Torrisi
17.00–17.30 M. BRUZON Symmetry reductions and exact solutions of Benjamin–Bona–Mahony–Burgers equations
17.30–18.00 J. PRADA On linear differential operators: an application of Hermite polynomials
18.00–18.30 M. RUGGIERI Symmetries and reduction techniques for dissipative models
18.30–19.00 G. CHADZITASKOS Quantization on compact spaces

Wednesday, October 29

Chairperson G. Bluman
9.00–9.40  P. OLVER Invariant variational problems and invariant flows
9.40–10.20  P. LEACH The beloved equation in shallow water
10.20–11.00 A. NIKITIN Galilean massless fields
11.00–11.30 Coffee break

Chairperson P. Olver
11.30–12.00  P. ESTÉVEZ Reciprocal transformations for a spectral problem in 2+1
12.00–12.30  V. BOYKO Computation of invariants of Lie algebras by means of moving frames
12.30–13.00  S. SPICHAK Quasi-linear elliptic equations invariant with respect to five-dimensional solvable Lie algebras
13.00–14.15 Lunch break
14.15 Excursion to Lefcara

Thursday, October 30

Chairperson C. Sophocleous
9.00–9.30  M. CHRISTOU Similarity reductions for three-dimensional Burgers equation
9.30–10.00  N. IVANOVA Construction of potential systems for systems of PDEs with multi-dimensional spaces of conservation laws
10.00–10.30  S. KONSTANTINOU-RIZOS Symmetries of a nonintegrable generalization of KdV
10.30–11.00  N. KALLINIKOS Symmetries of 3 d-o-f Hamiltonian systems
13.00 Departure