Workshop Programme

Sunday, June 6

Arrival day
20.00–21.00 Registration
21.30 Welcome reception

Monday, June 7

8.30–9.00 Registration

Chairperson A.G. Nikitin
9.00–9.40 C. Rogers The pulsrodon in 2+1-dimensional magnetogasdynamics and Hamiltonian Ermakov reduction
9.40–10.20 S. Anco Group invariant soliton equations and bi-Hamiltonian geometric curve flows in Klein geometry
10.20–11.00 M.C. Nucci The unreasonable effectiveness of Lie symmetries
11.00–11.30 Coffee break

Chairperson M.C. Nucci
11.30–12.00 G. Cicogna Lambda-symmetries of Dynamical Systems, Hamiltonian and Lagrangian equations
12.00–12.30 S. Golovin Natural curvilinear coordinates in MHD. Flows with constant total pressure
12.30–13.00 V. Lahno On realizations of Lie algebras of Poincare group and new Poincare-invariant equations
13.00–13.30 M. Abd-El-Malek Solution of Burgers’ equation with time-dependent kinematic viscosity via Lie-group analysis
13.30–17.00 Lunch break

Chairperson J. Patera
17.00–17.20 J. Hrivnak Two types of discretization of tori of compact simple Lie groups
17.20–17.40 M. Nesterenko Orthogonal polynomials of compact simple Lie groups
17.40–18.00 P. Novotny Generalized derivations, twisted cocycles and invariant functions of Lie algebras
18.00–18.20 S. Posta Comparing three dimensional alternating, symmetric and antisymmetric interpolations
18.20–18.40 L. Motlochova Orthogonal polynomials of symmetric and antisymmetric generalizations of trigonometric functions
18.40–19.00 C. Accatrinei A difference equation appearing in noncommutative field theory
Tuesday, June 8

Chairperson P. Damianou

9.00–9.40  T. RATIU Variational principles in control and template matching
9.40–10.20 Y. SURIS On the integrability of Hirota-Kimura discretizations
10.20–11.00 G. CHADZITASKOS Three boson interaction Hamiltonian solvable via Krawtchouk polynomials

11.00–11.30 Coffee break

Chairperson Y. Suris

11.30–12.00 C. QU Potential symmetries to nonlinear diffusion equations
12.00–12.30 I. YEHORCHENKO Reduction of multidimensional wave equations to two-dimensional equations: investigation of possible reduced equations
12.30–13.00 L. HLAVATÝ Poisson Lie symmetry and solutions of sigma models
13.00–13.30 L. SNOBL Symmetries and invariant solutions of PDEs on superspace

13.30–17.00 Lunch break

Chairperson S. Anco

17.00–17.20 R. TRACINÀ Fundamental solution in classical elasticity via group analysis
17.20–17.40 S. SPICHAK Hermitian quasi-exactly and exactly solvable matrix Schrodinger operators
17.40–18.00 I. STEPANOVA Equations of vibrational convection in binary mixture: symmetry properties and exact solutions
18.00–18.20 N. IVANOVA Group analysis of variable coefficient diffusion–convection equations
18.20–18.40 A. BIHLO Symmetry preserving parametrization schemes
18.40–19.00 C. SARDON Symmetries and reductions for the Camassa Holm hierarchy in 2+1 dim multisoliton solutions

Wednesday, June 9

Chairperson T. Ratiu

9.00–9.40  A. NIKITIN Group analysis and exact solutions for equations of axion electrodynamics
9.40–10.20 R. POPOVYCH Conservation laws and normal forms of evolution equations
10.20–11.00 P. LEACH Lie symmetries and certain equations of financial mathematics

11.00–11.30 Coffee break
Chairperson P. Leach

11.30–12.00  G. BURDE  Conformal invariance and partially nonclassical method
12.00–12.30  A. KISELEV  Variational Lie algebroids
12.30–13.00  J. POHJANPELTO  Moving frames, symmetries, and reduction of exterior differential systems
13.00–13.30  V. VLADIMIROV  Localized travelling wave solutions to the time-delayed convection-reaction-diffusion
13.30–14.30  Lunch break
14.30    Excursion to Nicosia

Thursday, June 10

Departure day