

Workshop Programme

Sunday, June 10 – Arrival day

- 19.00–20.00 60' *Registration*
20.30 *Welcome reception*

Monday, June 11

- 08.00–08.50 50' *Registration*
08.50–09.00 10' *Workshop Opening*

Chairperson **Damianou P.**

- 09.00–09.30 30' **Fordy A.** First integrals from conformal symmetries: Darboux–Koenigs metrics and beyond
09.30–10.00 30' **Nikitin A.** On kinematical invariance groups of Schrödinger and Schrödinger–Pauli equations
10.00–10.30 30' **Spiridonov V.** $6j$ -symbols for $SL(2, \mathbb{C})$ and Feynman diagrams
10.30–11.00 30' **Milson R.** Toward the classification of exceptional orthogonal polynomials: a progress report
11.00–11.30 30' *Coffee break*

Chairperson **Novokshenov V.**

- 11.30–12.00 30' **Takemura K.** On q -deformations of the Heun equation
12.00–12.30 30' **Conte R.** Quantum correspondence for Painlevé VI
12.30–13.00 30' **Grandati Y.** Rational solutions of PIV and PV hierarchies
13.00–13.30 30' **Pickering A.** Matrix Painlevé hierarchies
13.30–14.00 30' **Nakazono N.** Affine Weyl group symmetry of the discrete power function
14.00–17.00 3h *Lunch break*
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Chairperson Vaneeva O.

- 17.00–17.30 30' **Popovych R.** Darboux transformations of linear evolution equations
- 17.30–18.00 30' **Tsyfra I.** On a generalized symmetry method of reduction of nonlinear evolution and wave type equations
- 18.00–18.30 30' **Grahovski G.** Integrable nonlocal multi-component equations with \mathcal{PT} and \mathcal{CPT} symmetries
- 18.30–19.00 30' **Bibikov P.** On Lie problem in PDEs and effective classification of equations $u_{xy} = F(x, y, u)$ with algebraic right hand sides
- 19.00–19.30 30' **Boyko V.** Extended generalized equivalence groups of classes of linear ordinary differential equations

Tuesday, June 12**Chairperson Fordy A.**

- 09.00–09.30 30' **Mikhailov A.** Integrable Hamiltonian systems, naturally defined by symmetric powers of algebraic curves
- 09.30–10.00 30' **Mamaev I., Borisov A.** The Chaplygin ball on a rotating table: conservation laws, integrable case
- 10.00–10.30 30' **Chalykh O.** Quantum Lax pairs for the elliptic Calogero–Moser and Ruijsenaars systems
- 10.30–11.00 30' **Haine L.** On a generalization of Jacobi's *Elegantissima*
- 11.00–11.30 30' *Coffee break*

Chairperson Mikhailov A.

- 11.30–12.00 30' **Grabowska K.** Routh reduction as an example of Lagrangian reduction
- 12.00–12.30 30' **Grabowski J.** On a Lie's theorem about integrability by quadratures
- 12.30–13.00 30' **Androulidakis I.** Riemannian metrics and Laplacians for generalised smooth distributions

- 13.00–13.20 20' **Birtea P.** First and second order optimality conditions on the symplectic group
- 13.20–13.40 20' **Cioroianu E.-M.** Jacobi manifolds with background
- 13.40–14.00 20' **Evripidou C.** Dressing the dressing chain
- 14.00–17.00 3h *Lunch break*

Chairperson Grahovski G.

- 17.00–17.30 30' **Zotov A.** Interacting tops and long-range spin chains
- 17.30–18.00 30' **Tongas A.** Tetrahedron and boundary maps from integrable lattice equations
- 18.00–18.30 30' **Xenitidis P.** Deautonomization of integrable difference equations
- 18.30–19.00 30' **Kassotakis P.** Difference systems in bond and face variables and non-potential versions of discrete integrable systems
- 19.00–19.30 30' **Nieszporski M., Trzeszczkowski K.** KdV equations on the honeycomb lattice

Wednesday, June 13

Chairperson Spiridonov V.

- 09.00–09.30 30' **Natanzon S.** Formal solution to the \hbar -KP hierarchy
- 09.30–10.00 30' **Novokshenov Yu.** Generalized Hermite polynomials and monodromy-free potentials
- 10.00–10.30 30' **Burde G.** Groups of transformations between inertial frames with the existence of a preferred frame
- 10.30–11.00 30' **Chadzitaskos G.** The Shmushkevich method for collisions of particles for higher symmetry groups
- 11.00–11.30 30' *Coffee break*
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Chairperson Nikitin A.

- 11.30–12.00 30' **Vladimirov V.** On the spectral stability of soliton-like solutions to a non-local hydrodynamic-type model
- 12.00–12.30 30' **Šnobl L.** Spherical type integrable classical systems in a magnetic field
- 12.30–12.50 20' **Marchesiello A.** Superintegrable 3D systems in a magnetic field and separation of variables
- 12.50–13.10 20' **Nesterenko M.** Simple Lie groups in quasicrystals
- 13.10–13.30 20' **Opanasenko S.** Effective generalized equivalence groups
- 13.30–14.25 55' *Lunch break*
- 14.25–14.30 5' *Conference photo*
- 14.30 *Excursion to Lefkara*
- 21.00 *Conference dinner in Larnaca*

Thursday, June 14 – Departure day
