

Programme of the 10th International Workshop
COMPLEX STRUCTURES, INTEGRABILITY AND VECTOR FIELDS

Monday, 13.09 – IMI

13.30 – 14.00 Registration

Chairman: K. Sekigawa

14.00 – 14.40 Opening

14.40 – 15.10 S. Dimiev. The mathematical language

15.10 – 16.10 P. Popivanov. Boundary value problems for higher order elliptic equations violating the Shapiro–Lopatinskii condition

Coffee break

16.30 – 17.10 H. Matsuzoe. Geometry of pre-contrast functions

17.10 – 17.50 I. Mladenov. On some plane curves whose curvature depends on the distance from the origin

17.50 – 18.30 H. Genev. Ground state solution to the generalized Schrodinger-Hartree equation

Tuesday 14.09 – INRNE

Chairman: P. Popivanov

9.00 – 10.00 K. Sekigawa. Some critical almost Hermitian structures

Coffee break

10.30 – 11.10 T. Stoyanova. On the non-integrability of the sixth Painlevé equation in the Liouville sense

11.10 – 11.50 O. Kounchev. On new multivariate complex Hardy spaces with application to polyharmonic Cubature formulas

11.50 – 12.30 V. Vassilev. Cell Membranes Under Hydrostatic Pressure Subjected to Micro-Injection

Lunch

Chairman: S. Dimiev

15.00 – 16.00 V. Tsanov. Homogeneous hypercomplex spaces

Coffee break

16.30 – 17.10 D. Trifonov. Dynamical invariants and Robertson-Schrödinger correlated states of EMF in nonstationary linear media

17.10 – 17.50 M. Kokubu. Linear Weingarten surfaces in hyperbolic 3-space

17.50 – 18.30 L. Apostolova. Initial value problem for the double-complex Laplace operator. Eigenvalue approaches.

Wednesday, 15.09 – IMI

Chairman: V. Gerdjikov

9.00 – 10.00 Y. Matsushita. Geometric Structure in four-dimension and Almost complex structures

Coffee break

10.30 – 11.10 S. Donev. Initial value problem for the double-complex Laplace operator. Eigenvalue approaches

11.10 – 11.50 B. Iliev. A mathematical base for fibre bundle formulation of Lagrangian quantum field theory

11.50 – 12.30 T. Okayasu. A comparison theorem for an ODE and its application to geometry of Weingarten hypersurfaces

Thursday, 16.09 – IMI

Chairman: Y. Matsushita

9.00 – 10.00 V. Gerdjikov. On deep reductions of integrable equations on symmetric spaces

Coffee break

10.30 – 11.10 A. Yanovski. Quadratic Casimir invariants for 'Universal' Lie algebra extensions

11.10 – 11.50 T. Valchev. On Certain Reductions of Integrable Equations on Symmetric Spaces

11.50 – 12.30 B. Aneva. Random walk polynomials and models of nonequilibrium physics.

Lunch

Chairman: A. Mikhailov

15.00 – 16.00 E. Horozov. Calogero-Moser spaces and representation theory

Coffee break

16.30 – 17.10 T. Koda. Homogeneous structures on a manifold

17.10 – 17.50 M. Teofilova. Complex connections on conformal Kaehler manifolds with Norden metric

Friday, 17.09 – INRNE

Chairman: B. Aneva

9.00 – 10.00 A. Mikhailov. Symmetries and Integrability conditions for difference equations

Coffee break

10.30 – 11.10 P. Djondjorov. Analytic Description of the Equilibrium Configurations of Elastic Rings Subjected to Uniform Hydrostatic Pressure

11.10 – 11.50 P. Nikolov. Symmetries and dimensional reductions of tensor fields

11.50 – 12.30 N. Kostov. New integrable systems of interacting nonlinear waves

12.30 – 12.45 Closing

Departure