Aspects of Complex Analysis, Differential Geometry, Mathematical Physics and Applications

Fourth International Workshop on Complex Structures and Vector Field

St. Konstantin, Bulgaria September 3 – 11, 1998

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FOURTH INTERNATIONAL WORKSHOP ON COMPLEX STRUCTURES AND VECTOR FIELDS

September 3-11, 1998, St.Konstantin, Bulgaria

CONTRIBUTED COMMUNICATIONS

- 1. Toshiaki ADACHI Kähler magnetic fields and length spectrum on a complex hyperbolic space
- 2. Vestilav APOSTOLOV Bihermitian surfaces of non-Kähler type
- 3. Johan DAVIDOV Geometry of twistor spaces (with G. GRANCHAROV and O. MUSHKAROV)
- 4. Stancho DIMIEV Holomorphic coordinates on real analytic manifolds (with D. FRENKEV and K. SPALLEK)
- 5. Stoil DONEV Photon-like 3 + 1 solution solutions in extended electrodynamics
- 6. Albert FÄSSLER Block structured matrices and numerical methods for partial differential equations
- 7. Antonio FERNANDEZ Belinfante-Rosenfeld-Hilbert formulas in generalized gauge theory
- 8. Hideya HASHIMOTO On CR-submanifolds of nearly Kähler S^6 and related topics
- 9. Mikihiro HAYASHI Bounded analytic functions on Riemann surfaces
- 10. Milen HRISTOV On the integrability conditions for almost complex and almost contact structures
- 11. Azniv KASPARJAN Hermitian symmetry of infinitesimally trivial harmonic images of compact Kähler manifolds

- 12. Takashi KODA Nearly Kähler weakly symmetric spaces (with L.
 - Nearly Kähler weakly symmetric spaces (with L. VANHECKE and Y. WATANABE)
- 13. Shozo KOSHI Ordered topological linear spaces
- 14. Vladimir KOSTOV On Deligne-Simpson problem
- 15. Alexander KYTMANOV Boundary Morera theorem in classical symmetric domains
- 16. Julian LAWRINOWICZ An approach to 5-,9-and 13-dimensional complex dynamics (with O. SUZUKI)
- 17. Sadahiro MAEDA Isoparametric hypersurfaces in a real space form
- Sawa MANOFF Invariant projections and covariant divergency of energy momentum tensors
- 19. Stefano MARCHIAFAVA Complex and hypercomplex structures on quaternionic manifolds (with D. ALEKSEEVSKI and M. PONTEKORVO)
- 20. Ivailo MLADENOV Geometric quantization of the assymetric rotors
- 21. Oleg MUSHKAROV Weak Einstein conditions on complex surfaces (with. V. APOSTOLOV)
- 22. Simona MYSLIVETS On one-side holomorphic extension of CR functions along complex curves
- 23. Gregory NABER An introduction to topology and classical guage theory (five lectures)
- 24. Galja NAKOVA
 4-dimensional submanifolds of 7-dimensional almost contact manifolds with B-metric
- 25. Nikolai NIKOLOV Higher order Caratheodory and Kobayashi metrics

- 26. Kaoru ONO Obstruction theory for Floer homology for Lagrangian intersections
- 27. Kiyoshi OHBA Riemann surfaces with Abelian differentials (with Y. HASHIMOTO)
- 28. Yoshio OHNUKI Quantization on closed manifolds
- 29. Georgi POPOV Wave-trace formulae
- 30. Walter SCHEMPP Unitary symplectic spinors and their applications to quantum teleportation and magnetic resonance tomography
- 31. Kouei SEKIGAWA Goldberg conjecture (4-dimensional case)
- 32. Armen SERGEEV Vortex equation on a Riemann surface
- 33. Tatsuru TAKAKURA Hamiltonian group action, equivariant index and cobordism
- 34. Todor TODOROV Boundary surface properties and commutativity of self-adjoint ectensions of certain operators of mathematical physics.