V. International Workshop
LIE THEORY AND ITS APPLICATIONS IN PHYSICS
16 - 22 June 2003, Varna, Bulgaria

Preliminary Scientific Programme
(as of 12 June 2003)

1. Nicolas Andruskiewitsch:
   "On pointed Hopf algebras"

2. Shigeru Aoki:
   "Matching conditions for invariant eigendistributions on semisimple symmetric spaces"

3. Daniel Arnaudon:
   "On exotic bialgebras"

4. Bojko Bakalov:
   "Cyclic orbifolds of lattice vertex algebras"

5. Alexander Belavin:
   "Central elements of elliptic quantum group in roots of unity"

6. Plamen Bozhilov:*
   "On the role of the background symmetries in the string/field theory duality"

7. Cestmir Burdik:
   "Boson realization of quantum groups"

8. Rutwig Campoamor-Stursberg:
   "Determinantal formulae for the computation of Casimir operators of Lie algebras"

9. Branko Dragovich:
   "Path integral approach to noncommutative quantum mechanics"

10. Alexander Elashvili:
    "Classification of good gradation of simple Lie algebras"

11. Lachezar Georgiev:
    "The affine coset construction of the Z_k parafermion quantum Hall states"

12. Gerald Goldin:
    "Spaces of infinite-dimensional configurations, group representations and statistical physics"

13. Cesar Gomez:
    "Renormalons, supersymmetric Yang-Mills and holography"

14. Harald Grosse:
    "Quantum field theory on noncommutative spaces"

15. Gerard Helminck:
    "τ-functions for the multipoint KP-hierarchy"

16. Emil Horozov:
    "Lie algebras and classification of bispectral operators"

17. Hans Jakobsen:
    "Matrix chain models and Kac-Moody algebras"

18. Victor Kac:
    "Quantized Hamiltonian reduction"

19. Ivan Kostov:
    "Boundary correlators in 2D quantum gravity"

20. Dirk Kreimer and Kurusch Ebrahimi-Fard:
    "Insertion and elimination - the Lie algebras of Feynman graphs"

21. Remi Leandre:
    "Markov property and operads"

22. Andrei Marshakov:
    "Young diagrams, Seiberg-Witten integrable systems and topological strings"

23. Rainer Matthes:
    "Some remarks about quantum principal bundles"

24. Shiraz Minwalla:
    "Operator mixing and the BMN Correspondence"

25. Dimitar Mladenov:
    "Geodesic motion on GL(n, R) group manifold and integrable many-body systems in gravity"

26. Els Moens:
    "On characters and dimension formulas for representations of the Lie superalgebra $gl(m|n)$"

27. Emil Nissimov:
    "Dp-branes with dynamically generated tension"

28. Masatoshi Noumi:
    "Cremona tranformations, elliptic Painlevé equation and elliptic hypergeometric functions"

29. George Pogosyan:
    "Duality transformations in quantum mechanics on the spaces with constant curvature"

30. Eric Ragoucy:
    "Integrable systems with reflecting-transmitting impurity"

31. Seif Randjbar-Daemi:*
    "Towards model building in brane world scenarios"

32. Radoslav Rashkov:*
    "Generalized solution for rotating strings in various backgrounds and AdS/CFT"

33. Emery Sokatchev:
    "Kinematics and dynamics of the AdS/CFT correspondence"

34. Matthias Staudacher:
    "Integrable spin chains, N=4 gauge theory, and plane wave strings"

35. Ivan Todorov:
    "Global conformal invariance and rationality in 4-dimensional quantum field theory"

36. Tuong Ton-That:
    "Generalized Casimir invariants for a class of infinite-dimensional Lie groups"

37. Joris Van der Jeugt:
    "On the n-particle Wigner quantum oscillator: non-commutative coordinates and particle localization"

38. Julius Wess:*
    "Field theories and gauge theories built on non-commutative spaces based on the Seiberg-Witten map"

39. Stanislaw Woronowicz:
    "Choice of axioms for the quantum group theory"

40. Ruibin Zhang:*
    "Character formula for irreducible unitary highest weight representations of Lie superalgebras"