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

Preliminary Scientific Programme
(as of 12 June 2003)

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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"