

VII. International Workshop Lie Theory and Its Applications in Physics

18-24 June 2007, Varna, Bulgaria

LT-7

with integrated

II. Alexander von Humboldt Foundation Workshop

Quantum Systems Related to Noncommutative Geometries,
Their Symmetries and Evolution Equations

Scope and Topics

The meeting covers the whole field of Lie theory in its widest sense together with its applications in many facets of physics. As interface between mathematics and physics the workshop serves as a meeting place for mathematicians and theoretical and mathematical physicists.

LIE THEORY:

- Representation Theory
- Infinite-Dimensional Lie Groups and Algebras
- Quantum Groups
- Superalgebras
- Special Functions

APPLICATIONS IN PHYSICS:

- Symmetries in String Theory
- Supergravity
- Gauge, Noncommutative, Conformal Field Theories
- Integrable Systems
- Symmetries in Dynamical Systems
- Symmetries in Condensed Matter and Statistical Physics

Preliminary List of Speakers

Luigi Accardi (Rome U.2),
Anton Alekseev* (Geneva U.),
Maarten Bergvelt (U. Illinois, Urbana),
Andreas Boukas (Amer. Coll. Athens),
Ali Chamseddine (Amer. U. Beirut),
Alain Connes* (IHES), Ed Corrigan (York U.),
Alessandro D'Andrea (Rome U.1),
Ludwig Faddeev* (LDMI, St.Peterburg),
Rainald Flume (U. Bonn), Harald Grosse (Vienna U.),
Kazuki Hasebe (Takuma NCT),
Gerard Helminck (U. Twente),
Johannes Huebschmann (U. Lille),
Victor Kac (MIT), Gizem Karaali (Claremont),
Louis Kauffman (U. Illinois), Remi Leandre (U. Bourgogne),
Stijn Lievens (U. Gent), Rainer Matthes (Warsaw U.),
Jouko Mickelsson (Helsinki U.), Alexander Molev (U. Sydney),
Werner Nahm* (Dublin IAS), Frederic Patras (U. Nice),
Detlev Poguntke (U. Bielefeld), Seif Randjbar-Daemi (ICTP),
Karl-Henning Rehren (Goettingen U.),
Christoph Schweigert* (Hamburg U.),
Ivan Todorov (BAS, Sofia), Valeriy Tolstoy (Moscow U.),
Francesco Toppan (Rio de Janeiro),
Mario Trigiante (Turin), Joris Van der Jeugt (U. Gent),
Katrin Wendland (U. Augsburg),
Julius Wess* (Munich U.),
Milen Yakimov (UC Santa Barbara),
Hiromichi Yamada (Tokyo),
Cosmas Zachos (ANL),
Marco Zagermann (MPI Munich)

International Organizing Committee

H.-D. Doebner (Clausthal) and V.K. Dobrev (Sofia)
in collaboration with G. Rudolph (Leipzig)

Local Organizing Committee (INRNE)

V.K. Dobrev (Chairman), D.L. Arnaudov, V.I. Doseva, M. Ivanov, P. Kiratov,
P.B. Konstantinov, P. Petkov, T.V. Popov, E.P. Puncheva, T. Stelanova, M.N. Stoilov, S.T. Stoilmechev

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Alexander von Humboldt

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