

## Workshop on Poisson Geometry

*dedicated to the memory of Stanisław Zakrzewski*

(Banach Center, Warsaw, 3-15 August, 1998)

### List of participants and talks

- \* Anton Alekseev  
Institute for Theoretical Physics, Uppsala University, SWEDEN  
*Lie group valued moment maps*  
*Q-equivariant cohomology*
- \* Philippe Bonneau  
Universite de Bourgogne, Departement de Mathematiques, FRANCE  
*Star products and 1-differentiable deformations*
- \* Martin Bordemann  
Fakultät für Physik, Universität Freiburg, GERMANY  
*Homogeneous star-products on cotangent bundles, ordering prescriptions, and the Emmerich-Weinstein classical Fedosov derivative*
- \* Paolo Caressa  
Dipartimento di Matematica U. Dini, Università di Firenze, ITALY  
*Some remarks on Poisson calculus*
- \* Veronique Chloup-Arnould  
Department de Mathematiques, Université de Metz, FRANCE  
*Linearization and star products*
- \* Jean Paul Dufour  
Getodim, Mathematiques – Université Montpellier II, FRANCE  
*Singularities of Poisson and Nambu structures*
- \* Sam Evens  
Department of Mathematics, University of Arizona, USA  
*Poisson harmonic forms and equivariant cohomology*
- \* Janusz Grabowski  
Institute of Mathematics, University of Warsaw, POLAND  
*Isomorphisms of Poisson and Jacobi brackets*
- \* Johannes Huebschmann  
USTL UFR de Mathématiques, Labo GAT, FRANCE  
*Manin triples for bi-Lie-Rinehart algebras and differential Batalin-Vilkovisky algebras arising from the mirror conjecture*
- \* Bronisław Jakubczyk  
Mathematical Institute, Polish Academy of Sciences, POLAND  
*Local invariants of pairs: a presymplectic form and a Hamiltonian*
- \* Mikhail Karasev  
Department of Applied Mathematics, Moscow Institute of Electronics and Mathematics, RUSSIA  
*Groupoid quantization with vacuum, irreducible quantum submanifolds, generalized hypergeometric functions, and invariants of Kähler structures I, II, III*
- \* Eugene Karolinsky  
Faculty of Mathematics, Kharkov State University, UKRAINE  
*A classification of Poisson homogeneous spaces of complex reductive Poisson-Lie groups*
- \* Boris Khesin  
School of Mathematics, Institute for Advanced Study, USA  
*Meromorphic homology and gauge theory on complex manifolds*

- \* Katarzyna Konieczna  
Division of Mathematical Methods in Physics, University of Warsaw, POLAND
- \* Yvette Kosmann-Schwarzbach  
Centre de Mathématiques, Ecole Polytechnique FRANCE  
*Manin pairs and moment maps*  
*Lie bialgebroids and the classical dynamical Yang-Baxter equation*
- \* Olga Kravchenko  
IRMA, Université Strasbourg I FRANCE  
*Differential operators on odd Poisson (Gerstenhaber) algebras*
- \* Jan Kubarski  
Institute of Mathematics, Technical University of Łódź, POLAND  
*An analogue of the index theorem of Euler-Poincaré-Hopf in topology of some 3-dimensional Poisson manifolds*
- \* Paulette Libermann  
FRANCE  
*Lie algebroids and constrained mechanical systems*
- \* Zhang-Ju Liu  
Department of Mathematics, Peking University, CHINA  
*Dynamical  $r$ -matrix and Dirac structures*
- \* Jiang-Hua Lu  
Department of Mathematics, University of Arizona, USA  
*Homogenous Poisson structures on  $K/T$ .*  
*Poisson harmonic forms and equivariant cohomology*
- \* Kirill Mackenzie  
School of Mathematics and Statistics, University of Sheffield, UK  
*Notion of double for Lie algebroids and Lie bialgebroids I and II*
- \* Gloria Mari Beffa  
Department of Mathematics, University of Wisconsin, USA  
*The theory of differential invariants and Hamiltonian evolutions*
- \* Charles-Michel Marle  
Université Pierre et Marie Curie, Institut de Mathématiques, FRANCE  
*Structures induced on submanifolds of Poisson and Jacobi manifolds*
- \* Giuseppe Marmo  
Dipartimento di Scienze Fisiche, Università di Napoli, ITALY  
*Alternative commutation relations and Poisson brackets in Quantum Mechanics*  
*The inverse problem for Poisson brackets*
- \* Kentaro Mikami  
Dep. of Computer Sci. and Engineering, Akita University, JAPAN  
*Self-similarities of Poisson structures on tori*
- \* Piotr Mormul  
Institute of Mathematics, University of Warsaw, POLAND  
*Contact hamiltonians distinguishing locally certain Cartan–Goursat systems*
- \* Ihor Mykytyuk  
Applied Mathematics Department, State University "Lviv Politechnica", UKRAINE  
*Classification of almost spherical pairs of compact simple Lie groups*
- \* Nobutada Nakanishi  
Department of Mathematics, Gifu Keizai University, JAPAN  
*Nambu-Poisson tensors on Lie groups*
- \* Hideki Omori  
Department of Mathematics, Science University Tokyo, JAPAN  
*Noncommutative upper half plane*

- \* Valentin Ovsienko  
CNRS, Centre de Physique Théorique, CPT-CNRS, Luminy, FRANCE  
*Schwarzian derivative related to modules of differential operators on a locally projective manifold*
- \* Andriy Panasyuk  
Division of Mathematical Methods in Physics, University of Warsaw, POLAND  
*Symplectic realization of degenerate bihamiltonian structures*
- \* Serge Parmentier  
Universite Lyon 1, Institut G. Desargues (Math.),  
F-69622 Villeurbanne cedex, FRANCE
- \* Witold Respondek  
Mathematical Institute, Polish Academy of Sciences, POLAND
- \* Albert Schwarz  
Department of Mathematics, University of California Davis, USA  
*Poisson geometry, supergeometry, and quantum field theory*
- \* Małgorzata Seredyńska  
Institute of Fundamental Technological Research, Polish Academy of Sciences, POLAND  
*On the relative equilibria of Hamiltonian systems*
- \* Nguyen Sonnet  
Center of Theoretical Physics, Polish Academy of Sciences, POLAND
- \* Piotr Stachura  
Division of Mathematical Methods in Physics, University of Warsaw, POLAND  
 *$C^*$ -algebras of differential groupoids*
- \* Francisco Javier Turiel  
Geometría y Topología, Facultad de Ciencias, SPAIN  
*Isotropic nad Lagrangian torus fibrations*
- \* Paweł Urbański  
Division of Mathematical Methods in Physics, University of Warsaw, POLAND  
*Lie algebroids and Leibniz structures*
- \* Izu Vaisman  
Department of Mathematics, University of Haifa, ISRAEL  
*Aspects of geometric quantization theory in Poisson geometry*