

7th Symposium on Integrable Systems

Friday, 27.06.2014, WMS AGH, Building B7, hall 1.8		
09.00 - 09.10	Opening: Prof. V. Vladimirov , Dean of the Faculty of Applied Mathematics, AGH-UST	
Greetings Letters to Symposium Participants from Professors Antoni Sym, Vladimir E. Zakharov, and Francesco Calogero		
Chairman: Stefan Rauch Session: Infinite-dimensional dynamical systems		
9.10 - 9.50	A. Sergyeyev, Opava, Czech Republic	Integrable dispersionless systems in four dimensions: a new class related to contact geometry
9.50 - 10.10	O. Morozov, Kraków, Poland	Five-dimensional Lax-integrable equation, Its reductions and recursion operator
10.10 - 10.30	S. Leble, Gdańsk, Poland	Integrable pseudopotentials and applications
10.30 - 10.50	Coffee/Tea	
10.50 - 11.10	Y. Sydorenko, O. Chvartatskyi, Lviv, Ukraine	Extension of the k-constrained KP-hierarchies and binary Darboux transformations
11.10 - 11.30	J. Szmigielski, Saskatchewan, Canada	Colliding peakons and the formation of shocks in the Degasperis-Procesi equation
11.30 - 11.50	B. Szablikowski, Poznań, Poland	Novikov Algebras and a Classification of Multicomponent Camassa-Holm Equations
11.50 - 12.10	Coffee/Tea	
Chairman: Piotr Goldstein Session: Finite-dimensional dynamical systems		
12.10 - 12.50	A. Panasyuk, Olsztyn, Poland	Applications of Lie pencils in integrable systems
12.50 - 13.30	S. Rauch, Linköping, Sweden	Elementary explanation of motion of the rattleback and of the tippe top
13.30 - 13.50	Ł. Stępień, Kraków, Poland	On Bogomolny decomposition of gauged restricted "baby Skyrme" model
13.50 - 15.00	Free time	
Chairman: Alexander Mikhailov Session: Geometry and solitons		
15.00 - 15.40	J. Cieśliński, Białystok, Poland	Geometry of submanifolds, integrable systems and Clifford algebras
15.40 - 16.20	W. Jelonek, Kraków, Poland	Homothetic foliations by curves on Kahler manifolds
16.20 - 16.40	I. Mykytyuk, Kraków, Poland	Integrability of geodesic flows for metrics on suborbits of the adjoint orbits of compact groups
16.40 - 17.00	G. Kwiatkowski, Gdańsk, Poland	Application of Moutard transform to Green function problem
17.00 - 17.20	Coffee/Tea	
Chairman: Jan Cieśliński Session: Discrete dynamical systems		
17.20 - 18.00	A. Mikhailov, Leeds, England	Integrability conditions for difference equations
18.00 - 18.20	A. Kobus, Białystok, Poland	On different approaches to Darboux transformations
18.20 - 18.40	A. K. Prykarpatski, O. Bihun, Kraków, Poland	On the Calogero type discretization of integrable evolution equations
19:30 - 22.00	Conference dinner - Cafe „Krakus”	

Saturday, 28.06.2014, WMS AGH, Building B7, hall 1.8

Chairman: Zbigniew Peradzyński Session: **Quantization of integrable dynamical systems**

9.00 - 9.40 M. Błaszak, Poznań, Poland Separable quantizations of Stäckel systems

9.40 - 10.20 Yu. Bernatska, Kyiv, Ukraine How to quantize an integrable system on Lagrangian manifold

10.20 - 10.40 Coffee/Tea

10.40 - 11.20 A. Domański, Poznań, Poland Admissible invariant canonical quantizations of classical mechanics

11.20 - 11.40 T. Stachowiak, Warszawa, Poland Solvability and quantization in the Bargmann representation

11.40 - 12.10 M. Plakhotnyk, Kyiv, Ukraine On the Topological conjugation of piecewise linear unimodal maps

12.10 - 12.30 Coffee/Tea

Chairman: Sergey Leble Session: **Nonlinear dynamical systems and applications**

12.30 - 13.10 Z. Peradzyński, G. Baghaturia, Warszawa, Poland Hydrodynamic type systems admitting k-waves

13.10 - 13.30 P. Goldstein, Warszawa, Poland Interpretation and further integrability properties of a Schrodinger equation with Tsallis entropy

13.30 - 13.50 V. Samoilenko, Kyiv, Ukraine Asymptotical soliton type solutions to Korteweg-de Vries equation with variable coefficients

13.50 - 14.10 W. Rzeszut, V. Vladimirov, Kraków, Poland On the symmetry and superposition principle for a nonlinear transport equation

14.10 - 14.30 I. Tsyfra, Kraków, Poland Non-point symmetry and reduction of partial differential equations

Closing

Chairman: Anatolij K. Prykarpatski **Open problems Session**

15.00 - 15.15 M. Błaszak

15.15 - 15.30 A. Mikhailov

15.30 - 15.45 J. Cieśliński

15.45 - 16.00 A. Sergyeyev

**and all others welcome!
Saying Good Bye - Coffee/Tea**