Göttingen Workshop on Integrable Systems 2016

GoeWIS Schedule

Wednesday, March 30

Registration: 8:30 - 9:00

Opening of Workshop: 9:00 - 9:05

Time	Speaker	Title of talk
9:05 - 9:45	M. Pavlov	The Gibbons-Tsarev System and isomonodromic deformations
9:45 - 10:30	B. Konopelchenko	Confluences, Jordan forms and regularizations of hydrodynamic type systems
10:30 - 11:00	Coffee break	
11:00 - 11:30	G. Helminck	Strict versions of matrix hierarchies
11:30 - 12:00	O. Morozov	Deformed cohomologies of symmetry pseudo-groups and zero-curvature representations of differential equations
12:00 - 14:00	Lunch break (DLR Canteen)	
14:00 - 14:45	V. Matveev	Rogue Waves in 1+1 and 2+1 integrable systems, related with AKNS and KP-I hierarchies
14:45 - 15:15	J.-H. Chang	Asymptotic analysis of rogue waves in the KP-I equation
15:15 - 15:45	O. Chvartatskyi	Binary Darboux transformations in bidifferential calculus and systems with self-consistent sources
15:45 - 16:15	Coffee break and discussions	

16:15 - 16:45	A. Dimakis	Bäcklund transformations in bidifferential calculus
16:45 - 17:15	M. Marvan	Nonlocal conservation laws of the constant astigmatism equation
17:15 - 17:45	G. Manno	Hydrodynamic integrability as a geometric feature of Lagrangian Grassmannians — part I
17:45 - 18:15	G. Moreno	Hydrodynamic integrability as a geometric feature of Lagrangian Grassmannians — part II

Thursday, March 31

9:00 - 9:45	A. Veselov	Logarithmic Frobenius structures and theory of hyperplane arrangements
9:45 - 10:30	E. Ferapontov	Homogeneous third-order Hamiltonian operators
10:30 - 11:00	Coffee break	
11:00 - 11:45	F. Magri	Examples of Lenard Complexes
11:45 - 14:00	Lunch break (DLR Canteen)	
14:00 - 14:30	K. Khusnutdinova	Ring waves in a stratified fluid over a shear flow: cKdV-type equation and singular solutions for wavefronts
14:30 - 15:00	V. Sokolov	Integrable cosmological potentials
15:00 - 15:30	N. Ustinov	Extremely short vector solitons in anisotropic media
15:30 - 16:00	Coffee break and discussions	
16:00 - 16:30	J. Bernatska	An integrable system on trigonal curve: solutions in terms of multivariate Abelian functions

16:30 - 17:00	V. Gerdjikov	$\mathbb{Z}_h$ and $\mathbb{D}_h$-reduced derivative NLS in the limit $h \to \infty$
17:00 - 17:30	G. Grahovski	On the N-wave equations with PT-symmetry
20:00 - -	Dinner Restaurant Lehmofen, Angerstraße 8 Location via Google Maps	

Friday, April 1

9:00 - 9:45	C. Klein	Numerical study of 2+1 dimensional nonlinear dispersive PDEs
9:45 - 10:30	A. Moro	On the integrable structure and thermodynamics of "complex" networks
10:30 - 11:00	Coffee break	
11:00 - 11:30	V. Enolski	Charge two monopole within the Nahm Ansatz
11:30 - 12:00	F. Oliveri	Nonlinear first order PDEs reducible to first order autonomous systems polynomially homogeneous in the derivatives
12:00 - 13:30	Lunch break (DLR Canteen)	
13:30 - 14:00	O. Chalykh	Quantum Lax pairs for Calogero-Moser problem
14:00 - 14:30	Y. Fedorov	A shortcut to the Kovalevskaya curve
14:30 - 15:00	O. Lechtenfeld	The tetrahexahedric angular Calogero model
15:00 - 15:30	T. Skrypnyk	Separation of variables in the Clebsch model

15:30 - 16:30	Coffee break and discussions	
17:00 - 17:20	F. Giglio	Integrable extended van der Waals model
17:20 - 17:40	M. Gorgone	Decoupling of first order quasilinear systems of PDEs
17:40 - 18:00	N. Stoilov	Camassa-Holm version of WDVV associativity equations for N = 3