

Conference Program  
 “Integrable Systems and Their Applications”.

Tuesday, July 15	
08:30-09:55	<b>Registration.</b>
09:55-10:00	<b>Opening.</b>
10:00-10:40	<b>Huijun Fan.</b> <i>Geometry of Landau-Ginzburg models.</i>
10:45-11:25	<b>Alexandr Mikhailov.</b> <i>Deformations of noncommutative algebras and non-Abelian Hamiltonian.</i>
<i>Coffee break (20 minutes)</i>	
11:45-12:25	<b>Andrey Marshakov.</b> <i>Integrable systems on cluster varieties and their reductions.</i>
12:30-13:10	<b>Xiaobo Liu.</b> <i>Quantum Volume Elements.</i>
<i>Lunch (80 minutes)</i>	
14:30-15:10	<b>Alexandr Smirnov.</b> <i>On the spectral curve of a second-order functional-difference equation.</i>
15:15-15:55	<b>Xiaomeng Xu.</b> <i>Riemann-Hilbert approach to the WDVV and <math>tt^*</math> equations.</i>
16:00-16:30	<b>Matvey Ivlev.</b> <i>On commuting differential operators of rank 2 corresponding to trigonal spectral curves of genus 3.</i>

Wednesday, July 16	
09:00-09:40	<b>Vladimir Sokolov.</b> <i>Commutativity conditions for differential operators of orders 3,4,5.</i>
09:45-10:25	<b>Jianxun Hu.</b> <i>Gamma conjecture I: counterexamples and modifications.</i>
<i>Coffee break (20 minutes)</i>	
10:45-11:25	<b>Dafeng Zuo.</b> <i>Extensions of the Whitham Hierarchy in the Framework of Infinite-Dimensional Frobenius Manifolds.</i>
11:30-12:10	<b>Andrey Mironov, Siyao Yin.</b> <i>Billiard Trajectories inside Cones.</i>
<i>Lunch (90 minutes)</i>	
13:30-14:10	<b>Alexandr Buryak.</b> <i>Deformations of the Riemann hierarchy, Miura invariants, and moduli spaces of curves.</i>
14:15-14:55	<b>Shi Hao Li.</b> <i>Integrability in several random models.</i>
15:00-15:40	<b>Qingsheng Zhang.</b> <i>Virasoro Constraints for Topological Recursion.</i>

Friday, July 18	
09:00-09:40	<b>Shuai Guo.</b> <i>BCOV's Feynman rule for CICY threefolds.</i>
09:45-10:25	<b>Maxim Kazaryan.</b> <i>KP integrability of the non-perturbative tau function.</i>
<i>Coffee break (20 minutes)</i>	
10:45-11:25	<b>Ismagil Khabibullin.</b> <i>Applications of the dressing chains for constructing solutions of integrable systems in 3D.</i>
11:30-12:10	<b>Huagui Duan.</b> <i>Maslov-type index theory and closed orbits.</i>
<i>Lunch (90 minutes)</i>	
13:30-14:10	<b>Huazhong Ke.</b> <i>Towards small quantum Chern character.</i>
14:15-14:55	<b>Hao Wen.</b> <i>From <math>BV_{\infty}</math> algebra to Frobenius manifold.</i>
15:00-15:40	<b>Qian Chao.</b> <i>The Crepant Transformation Conjecture For Toric Stack Bundles.</i>

Saturday, July 19	
09:00-09:40	<b>Maxim Pavlov.</b> <i>Isomonodromic deformations and the Tsarev Generalized Hodograph Method for Integrable Dispersive Systems.</i>
09:45-10:25	<b>Rustem Garifullin.</b> <i>On a class of exact solutions of the Ishimori equation.</i>
<i>Coffee break (20 minutes)</i>	
10:45-11:25	<b>Sotiris Konstantinou-Rizos.</b> <i>The correspondence approach for <math>n</math>-simplex maps.</i>
11:30-12:10	<b>Fudong Wang.</b> <i>Spectral theory for Soliton gases of focusing and defocusing NLS equation.</i>
12:15-12:45	<b>Gulnara Mauleshova.</b> <i>Difference analogue of the Treibich-Verdier operator.</i>