Program
International Conference "Geometry Days in Novosibirsk – 2014",
dedicated to 85th anniversary of academician
Yuri Grigor'evich Reshetnyak

Wednesday, September 24

8:00 – 9:50	*Registration (Ground floor of the Sobolev Institute of Mathematics)*		
	Plenary talks (conference hall)		
09:50 – 10:00	*Opening of the Conference*		
10:00 – 10:50	Sergei Vladimirovich Matveev, *Calculation of the Dijkgraaf-Witten invariants under Z_2 for Seifert manifolds*		
	C o f f e e b r e a k (20 minutes)		
11:10 – 12:00	Vladimir Dmitrievich Stepanov, *Weighted inequalities for sublinear integral operators on semiaxis*		
12:10 – 13:00	Alexander Alexandrovich Gaifullin, *Volumes of flexible polyhedral*		
	L u n c h (120 minutes)		
	Section A (conference hall) Geometry and Topology, 1	**Section B (room 417) Differential Geometry**	**Section C (room 344) Geometry and Topology, 2**	**Section D (room 213) Geometric Analysis**
15:00 – 15:50	Evgenii Anatolevich Fominykh	Nikolay Andreevich Tyurin	Alexander Dmitrievich Mednykh	Alexander Valeryevich Greshnov
16:00 – 16:20	Igor Nikolaevich Shnurnikov	Milan Lj. Zlatanovic	Victor Alekseevich Aleksandrov	Elena Pavlovna Ushakova
16:25 – 16:45	Alyona Andreevna Akimova	Evgenii Dmirtievich Rodionov, Viktor Vladimirovich Slavsky	Aleksandr Nikolaevich Magazinov	Maria Georgievna Nasyrova
	C o f f e e b r e a k (30 minutes)		
17:15 – 17:35	Vladimir Alekseevich Shastin	Dmitry Nikolaevich Oskorbin	Yaroslav Anatol'evich Kopylov	Vladimir Petrovich Golubyatnikov
17:40 – 18:00	Michele Mulazzani	Pavel Nikolaevich Klepikov	Rostislav Andreevich Devyatov	Nikita Aleksandrovich Evseev
18:05 – 18:25	Maxim Vyacheslavovich Prasolov	Svetlana Vladimirovna Pastukhova	Ekaterine Sergeevna Kudina	Valentina Aleksandrovna Bukreeva

	Section A (conference hall) Geometry and Topology, 1	Section B (room 417) Differential Geometry	Section C (room 344) Geometry and Topology, 2	Section D (room 213) Geometric Analysis
15:00 – 15:50	Evgenii Anatolevich Fominykh, *Infinite families of 3-manifolds with known complexity*	Nikolay Andreevich Tyurin, *Lagrangian spheres in the flag variety F^3*	Alexander Dmitrievich Mednykh, *Branched coverings and automorphism groups of graphs*	Alexander Valeryevich Greshnov, *Covering maps in quasimetric spaces and Carnot – Carathéodory spaces*
16:00 – 16:20	Igor Nikolaevich Shnurnikov, *About the number of special spines with one two-dimensional cell*	Milan Lj. Zlatanovic, *On geodesic mappings of manifold with nonsymmetric connection*	Victor Alekseevich Aleksandrov, *The set of flexible non-degenerate polyhedra of given combinatorial structure is not always algebraic*	Elena Pavlovna Ushakova, *Criteria for boundedness of the Hardy-Steklov operators in Lebesgue spaces on the half-line expressed in terms of direct and dual fairways*
16:25 – 16:45	Alyona Andreevna Akimova, *Khovanov homology of knots in a thickened torus*	Evgenii Dmirtievich Rodionov, Viktor Vladimirovich Slavsky, *On some properties of conformally flat Riemannian metrics*	Aleksandr Nikolaevich Magazinov, *On local combinatorics at a face of a parallelohedral tiling*	Maria Georgievna Nasyrova, *Fractional order Hardy inequalities*
C o f f e e b r e a k (30 minutes)				
17:15 – 17:35	Vladimir Alekseevich Shastin, *A combinatorial model of the Lipschitz metric for surfaces with punctures*	Dmitry Nikolaevich Oskorbin, *On the spectrum of the curvature operators on conformally flat metric Lie groups*	Yaroslav Anatol'evich Kopylov, *Derivation of exact couples in p-semi-abelian categories*	Vladimir Petrovich Golubyatnikov, *A model of one biological 2-cells complex*
17:40 – 18:00	Michele Mulazzani, *4-colored graphs and exterior of links*	Pavel Nikolaevich Klepikov, *On harmonicity of concircular curvature tensor of metric Lie groups of small dimensions*	Rostislav Andreevich Devyatov, *Equivariant infinitesimal deformations of algebraic threefolds with an action of an algebraic torus of complexity 1*	Nikita Aleksandrovich Evseev, *Composition operators on Sobolev spaces in a Carnot group and metric properties of mappings*
18:05 – 18:25	Maxim Vyacheslavovich Prasolov, *Rectangular Diagrams of Legendrian Graphs*	Svetlana Vladimirovna Pastukhova, *On four-dimensional conformal semiflat Riemannian manifolds with zero scalar curvature*	Ekaterine Sergeevna Kudina, *Relations between angles and edge lengths of Euclidean and hyperbolic octahedra with 3m-symmetry*	Valentina Aleksandrovna Bukreeva, *On Sobolev norms stability of classes of conformal mappings*

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Thursday, September 25

	Plenary talks (conference hall)			
10:00 – 10:50	Victor Matveevich Buchstaber, *Hirzebruch genera and functional equations*			
	C o f f e e b r e a k (20 minutes)			
11:10 – 12:00	Sergei Konstantinovich Lando, *Combinatorial solutions to integrable hierarchies*			
12:10 – 13:00	Sergey Mironovich Natanzon, *Symmetric solutions of the dispersionless 2D Toda hierarchy, Hurwitz numbers and conformal dynamics*			
	L u n c h (120 minutes)			
	Section A (conference hall) Geometry and Topology	**Section B (room 417) Differential Geometry, 1**	**Section C (room 344) Theory of Functions**	**Section B (room 213) Differential Geometry, 2**
15:00 – 15:50	Anatoli Pavlovich Kopylov, Mikhail Vyacheslavovich Korobkov	Alexander Borisovich Zheglov	Andrei Viktorovich Tetenov	Ljubica S. Velimirovic
16:00 – 16:20	Ivan Alekseevich Dynnikov	Adgam Yakhievich Sultanov	Dmitry Alexandrovich Trotsenko	Victor Matveevich Gichev
16:25 – 16:45	Lyudmila Nikolaevna Romakina	Irina Aleksandrovna Zubareva	Vladislav Vasil'evich Aseev	Ivan Anatol'evich Gundyrev
	C o f f e e b r e a k (30 minutes)			
17:15 – 17:35	Andrey Victorovich Kostin	Nadezda Alexandrovna Chuesheva	Pavel Alekseevich Istomin	Aleksandr Grairovich Megrabov
17:40 – 18:00	Natalia Nikolaevna Kostina	Vardan Spartakovich Oganesyan	Kirill Glebovich Kamalutdinov	Evgenii Sergeevich Kornev
18:05 – 18:25	Mikhail Alekseevich Ovchinnikov			Anna Gennad'evna Sedykh

	Section A (conference hall) Geometry and Topology	Section B (room 417) Differential Geometry, 1	Section C (room 344) Theory of Functions	Section B (room 213) Differential Geometry, 2
15:00 – 15:50	Anatoli Pavlovich Kopylov, Mikhail Vyacheslavovich Korobkov, *Rigidity conditions for the boundaries of submanifolds in a Riemannian manifold*	Alexander Borisovich Zheglov, *Geometric properties of algebraically integrable quantum completely integrable systems*	Andrei Viktorovich Tetenov, *Self-similar Jordan arcs which do not satisfy to weak separation condition*	Ljubica S. Velimirovic, *Some results on infinitesimal bending*
16:00 – 16:20	Ivan Alekseevich Dynnikov, *Geometry of discrete holomorphic functions on the hyperbolic plane*	Adgam Yakhievich Sultanov, *Weil bundles with synectic connections and estimates of dimensions for their affine vector fields Lie algebras*	Dmitry Alexandrovich Trotsenko, *Quasicircles and homogeneous areas as solving of a problem in $\overline{R}^3$*	Victor Matveevich Gichev, *Geometry of the evaluation map and metric properties of polynomials on compact homogeneous spaces*
16:25 – 16:45	Lyudmila Nikolaevna Romakina, *On tilings of the hyperbolic plane of positive curvature by right oricyclic n-trapezoids*	Irina Aleksandrovna Zubareva, *Correct observer's event horizon in de Sitter space-time*	Vladislav Vasil'evich Aseev, *Quasiconformal analogue of a Caratheodori's theorem*	Ivan Anatol'evich Gundyrev, *Algebraic characterization of similarly homogeneous non-homogeneous locally compact spaces with intrinsic metric*
	C o f f e e b r e a k (30 minutes)			
17:15 – 17:35	Andrey Victorovich Kostin, *About asimptotic nets on pseudospheres*	Nadezda Alexandrovna Chuesheva, *Boundary value problems for some third-order equations*	Pavel Alekseevich Istomin, *An example of an attractor for the local system of tensile maps*	Aleksandr Grairovich Megrabov, *Divergent formulas and conservation laws in the differential geometry and their applications in the mathematical physics*
17:40 – 18:00	Natalia Nikolaevna Kostina, *General properties of polygons in spaces of constant curvature*	Vardan Spartakovich Oganesyan, *Commuting differential operators with polynomial coefficients*	Kirill Glebovich Kamalutdinov, *Theorem on general position for families of fractal curves*	Evgenii Sergeevich Kornev, *Almost contact structures on five-dimensional manifolds*
18:05 – 18:25	Mikhail Alekseevich Ovchinnikov, *Framed links presentations for 3-manifolds with toric boundary having special spines with 3 vertices*			Anna Gennad'evna Sedykh, *Deformation of SO(3)-structure on five-dimensional Lie groups*

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Friday, September 26

	Plenary talks (conference hall)
10:00 – 10:50	Miodrag Mateljević, *Distortion of quasiregular mappings and Bloch's type theorems*
	C o f f e e b r e a k (20 minutes)
11:10 – 12:00	Nikolai Petrovich Dolbilin, *From local to global order in crystals: rigorous results*
12:10 – 13:00	Alexander Efimovich Gutman, Anatolii Georgievich Kusraev, Semen Samsonovich Kutateladze, *The growth points of boolean valued analysis*
	L u n c h (120 minutes)
15:00 – 15:50	Sergei Konstantinovich Vodopyanov, *The theory of mappings with bounded distortion: prospects for development*
16:00 – 17:30	*Open session of the Scientific council of the Sobolev Institute of Mathematics, dedicated to 85th anniversary of academician Yuri Grigor'evich Reshetnyak*
	Conference photo (Entrance of the Sobolev Institute of Mathematics)
18:00 – 21:00	*Banquet*

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Saturday, September 27

	Plenary talks (conference hall)		
10:00 – 10:50	Dmitrii Alekseevich Panov, *Definite connections*		
	C o f f e e b r e a k (20 minutes)		
11:10 – 12:00	Taras Evgenievich Panov, *Bott towers and equivariant cobordism*		
12:10 – 13:00	Idzhad Khakovich Sabitov, *Infinitesimal deformations of surfaces of revolution with flattenings*		
	L u n c h (120 minutes)		
	Section A (conference hall) **Geometry and Topology**	**Section B (room 417)** **Geometric Analysis**	**Section C (room 344)** **Theory of Functions**
15:00 – 15:50	Evgenii Evgen'evich Skurikhin	Maria Borisovna Karmanova	Victor Vasil'evish Chueshev
16:00 – 16:20	Aleksandr Konstantinovich Guts	Vladimir Mikhailovich Keselman	Aleksandr Viktorovich Koptev
16:25 – 16:45	Alexander Vladimirovich Levichev	Aleksandr Sergeevich Romanov	Alena Alekseevna Kazantseva
16:50 – 17:10		Alexander Anatol'evich Egorov	

	Section A (conference hall) Geometry and Topology	Section B (room 417) Geometric Analysis	Section C (room 344) Theory of Functions
15:00 – 15:50	Evgenii Evgen'evich Skurikhin, *Spectral sequences and exact sequences of cohomologies of categorical topological spaces*	Maria Borisovna Karmanova, *Metric aspects of Carnot – Carathéodory spaces and applications*	Victor Vasil'evish Chueshev, *Prym differentials on variable tori*
16:00 – 16:20	Aleksandr Konstantinovich Guts, *Creating the conditions for the formation of time loops in 5-dimensional Lorentz manifold*	Vladimir Mikhailovich Keselman, *Conformal type and isoperimetric function of a Riemannian manifold*	Aleksandr Viktorovich Koptev, *Homomorphisms of Banach bundles and separable convergent sequences*
16:25 – 16:45	Alexander Vladimirovich Levichev, *On a notion of distance between space-times*	Aleksandr Sergeevich Romanov, *On embedding theorems for Sobolev functions in domains with Hölder singularities*	Alena Alekseevna Kazantseva, *Vector bundles of Abelian differentials over the Teichmüller space*
16:50 – 17:10		Alexander Anatol'evich Egorov, *Solutions of the differential inequality with a null Lagrangian: Hölder regularity*	