

13th Serbian Mathematical Congress
Vrnjačka banja, May 22–25, 2014

Conference Schedule

Field 4: Geometry, Algebraic Geometry and Topology, Mathematical Physics

May 22, 2014

15:00–17:00 **Plenary lectures**

17:00–17:30 Coffee break

17:30–19:20 Field 4 – Chairman: Neda Bokan

17:30–18:00 Mikami Hirasawa, *On the distributions of the zeros of Alexander polynomials of knots*

18:00–18:20 Osman Mucuk, H. Fulya AKIZ, *Monodromy groupoids of topological internal groupoids*

18:20–18:40 Milica Stojanovic, *On 3-triangulation of toroids*

18:40–19:10 Slavik Jablan, Ljiljana Radovic, *MEANDER KNOTS AND LINKS*

19:10–19:30 Ljiljana Radovic, Slavik Jablan, *Warping degree and ascending numbers of knots*

May 23, 2014

- 09:00–11:00 **Plenary lectures**
- 11:00–11:30 Coffee break
- 11:30–13:20 Field 4 – Chairman: Dmitry Millionshchikov
- 11:30–12:00 Alexey Tuzhilin, *Optimization Problems with Geometrical Graphs*
- 12:00–12:20 Nikolay Yurievich Erokhovets, *Operators on the ring of convex polytopes and cd-index*
- 12:20–12:40 Ivan Limonchenko, *Minimally non-Golod simplicial complexes in toric topology*
- 12:40–13:00 Denis Ilyutko, Igor Nikonov, *External and local minimal networks on normed planes*
- 13:00–13:20 H. Chuda and M. Shiha, *Conformal holomorphically projective mappings satisfying a Certain initial condition*
- 13:30–15:00 Lunch break
- 15:00–17:00 Field 4 – Chairman: Alexey Tuzhilin
- 15:00–15:30 Andrey Evgenevich Mironov, *Commuting higher rank ordinary differential operators*
- 15:30–16:00 Dončo Dimovski, *Geometry of Spin Manifolds*
- 16:00–16:20 Emilija Nešović, Kazim Ilarslan, *On generalized null Mannheim curves in Minkowski space-time*
- 16:20–16:40 Vladimir Balan, Jelena Stojanov, *Applications of the mean curvature flow associated to anisotropic Generalized Lagrange metrics in image processing*
- 16:40–17:00 Stanislav Nikolaenko, *The Chaplygin case in dynamics of a rigid body in fluid is orbitally equivalent to the Euler case and to the Jacobi problem*
- 17:00–17:30 Coffee break
- 17:30–18:50 Field 4 – Chairman: Zoran Rakić
- 17:30–18:00 Dmitry Millionshchikov, *Singular Virasoro vectors: new explicit formulae and their applications*
- 18:00–18:20 Alexander Zheglov, *Geometric properties of quantum completely integrable systems*
- 18:10–18:30 Handan Yildirim, *Spacelike De Sitter Monge Forms in Sence of Slant Geometry*
- 18:30–18:50 Marija S. Najdanović, *Infinitesimal bending influence of the Willmore energz of curves*

May 24, 2014

- 09:00–11:00 **Plenary lectures**
- 11:00–11:30 Cofee break
- 11:30–13:30 Field 4 – Chairman: Graham Stanley Hall
- 11:30–12:00 Fabio Gavarini , *From simple Lie superalgebras to algebraic supergroups*
- 12:00–12:30 Louis Kauffman, *Virtual Knot Theory*
- 12:30–13:00 Emil Molnár, *Classical ball packing problems in the Thurston geometries*
- 13:00–13:20 Marko Stosic, *Volume conjecture, A-polynomial, Mahler measure and L-series*
- 13:30–15:00 Lunch break
- 15:00–17:00 Field 4 – Chairman: Uday Chand De
- 15:00–15:30 Josef Mikeš, Irena Hinterleitner, *On geodesic and holomorphically projective mappings*
- 15:30–16:00 Graham Stanley Hall, *Some Remarks on Mathematical General Relativity Theory*
- 16:00–16:30 Neda Bokan, Tijana Sukulovic, Srdjan Vukmirovic, *Lorentz geometry of 4-dimensional nilpotent Lie groups*
- 16:30–17:00 Borysenko Oleksandr Andriyovych, *About cylindricity of Submanifolds with straight line in Minkovsky Space*
- 17:00–17:30 Cofee break
- 17:30–19:30 Field 4 – Chairman: Srdjan Vukmirovic
- 17:30–18:00 Andrey Vesnin, *On complexity of 3-manifolds with certain properties*
- 18:00–18:30 Luc Vrancken, *Lagrangian immersions of homogenous 3-manifolds in complex space forms*
- 18:30–19:00 Uday Chand De, *On Generalized Ricci Recurrent Manifolds*
- 19:00–19:30 Cornelia-Livia Bejan, Simona Druta-Romaniuc, *Harmonic connections and harmonic almost tangent structures with respect to natural metric*

May 25, 2014

09:00–11:00 **Plenary lectures**

11:00–11:30 Coffee break

11:30–13:00 Field 4 – Chairman: Mirjana Djorić

11:30–12:00 Srdjan Vukmirovic, *Pseudo-Riemannian geometry of Heisenberg group*

12:00–12:20 Yavuz Selim Balkan, *Some Symmetry Conditions of Almost S-manifolds*

12:20–12:40 Gianluca Bande, *Invariant submanifolds of Hermitian bicontact structures (or normal metric contact pairs)*

12:40–13:00 Katarina Kukić, *The systems of the Kowalevski type and Margi's method of syzygies*