

**XVIII Geometrical Seminar**

Vrnjačka Banja, Serbia, May 25-28, 2014

**Conference Schedule-Room 2**

**May 26, 2014**

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| **09:00–11:00** | **Chairman: Ljiljana Radović, Technical Assistant: Miloš Đorić** |
| 09:00–09:30 | Andrey Mironov,  SEMI-HAMILTONIAN SYSTEM FOR INTEGRABLE GEODESIC OWS ON 2-TORUS |
| 09:30–10:00  10:00–10:30  10:30–11:00 | Dara Gold,  TOPOLOGICAL CLASSIFICATION OF INTEGRABLE SYSTEMS AND BILLIARDS IN CONFOCAL QUADRICS  Zbigniew Olszak,  ON THE CURVATURE OF NULL CURVES IN LORENTZIAN *3*-SPACES  Dmitry V. Gugnin,  ON INTEGRAL COHOMOLOGY RING OF SYMMETRIC PRODUCTS |
| **11:00–11:30** | **Coffee break** |
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| **11:30-13:30** | **Chairman: Marian Ioan Munteanu, Technical Assistant: Miloš Đorić** |
| 11:30–11:50  11:50–12:10  12:10–12:30  12:30–12:50  12:50–13:10  13:10–13:30 | Ana Irina Nistor,  MAGNETIC CURVES IN QUASI-SASAKIAN MANIFOLDS  Pablo Alegre, Luis M. Fernández, Alicia Prieto-Martin,  TRANS – S MANIFOLDS  Sinem Güler, Sezgin Altay Demirbağ,  ON SOME CLASSES OF GENERALIZED QUASI EINSTEIN MANIFOLDS  Georgios Kaimakamis, Konstantina Panagiotidou, THE \*-RICCI TENSOR OF REAL HYPERSURFACES IN NON-FLAT COMPLEX SPACE FORMS  Pradip Majhi,  CERTAIN CURVATURE PROPERTIES OF GENERALIZED SASAKIAN-SPACE-FORMS  Mohammad Shuaib,  SOME WARPED PRODUCT SUBMANIFOLDS OF A KENMOTSU MANIFOLD |
| **13:30–15:00** | **Lunch break** |

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| **15:00–17:00** | **Chairman: Murat Babaarslan, Technical Assistant: Nikola Velimirović** |
| 15:00–15:20 | Ljiljana Radović and Slavik Jablan,  ORNAMENTS OF SERBIAN MEDIEVAL FRESCOES |
| 15:20–15:40  15:40–16:00  16:00–16:20 | Miroslav Kures,  ON THE SEMIHOLONOMIC VELOCITIES AND CONTACT ELEMENTS  Zoran Petrović,  TOPOLOGICAL K-THEORY AND SPACES OF MATRICES  Şerife Nur Yalçin, Ali Çalişkan,  CONNECTION BETWEEN SCREW SYSTEMS AND LINE CONGRUENCE |
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| 16:20–16:40 | Handan Yildirim,  HYPERBOLIC MONGE FORMS IN SENSE OF SLANT GEOMETRY |
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| 16:40–17:00 | Milica Stojanović,  SUPERGROUPS OF HYPERBOLIC SPACE GROUPS WITH SIMPLICIAL DOMAINS |
| **17:00–17:30** | **Coffee break** |
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| **17:30–19:50** | **Chairman: Emil Molnár, Technical Assistant: Nikola Velimirović** |
| 17:30–17:50  17:50–18:10  18:10–18:30  18:30-18:50  18:50-19:10 | Miljan Knežević,  A NOTE ON HARMONIC QUASICONFORMAL MAPPINGS AND SCHWARZ-PICK TYPE INEQUALITIES  Momčilo Bjelica,  COMBINATORIAL BIFURCATIONS OF FLOW ON SIMPLEX EDGES  Monica Merkle,  ON A VARIATIONAL PROBLEM WITH FREE BOUNDARY ON TWO PARALLEL PLANES  Vuk Milošević,  TEMPORARY CHANGES IN GEOMETRY OF MEMBRANE STRUCTURES CAUSED BY LIVE LOADS  Vladan Nikolić,  POSSIBILITIES OF APPLICATION OF CONES WITH A TORUS KNOT AS DIRECTRIX AND VERTEX ON IT IN THE FORM OF ARCHITECTURAL STRUCTURES |
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| 19:10–19:30 | Nenad Jovanović, Petar Pejić and Sonja Krasić,  THE USE OF VORONOI DIAGRAM IN THE DESIGN OF AN OBJECT CONTAINING A HYPERBOLIC PARABOLOID |
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| 19:30–19:50 | Hristina Krstić, Petar Pejić and Bojana Andjelković,  GEOMETRY OF GOLDEN SECTION AS A BASIS FOR PROTOTYPE OF A HOUSE OF IDEAL PROPORTIONS |
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**Conference Schedule-Room 2**

**May 27, 2014**

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| **09:00–11:00**  09:00–09:30  09:30–10:00  10:00–10:30  10:30–11:00  **11:00–11:30** | **Chairman: Irena Hinterleitner, Technical Assistant: Miloš Antić**  Branko Dragovich, Nataša Ž. Mišić,  ULTRAMETRICITY, ITS APPLICATIONS AND VISUALIZATION  Ion Mihai,  ON GENERALIZED WINTGEN INEQUALITY  Adela MIHAI, M. Evren AYDIN, Ion MIHAI,  ON SUBMANIFOLDS OF STATISTICAL MANIFOLDS  M. N. Mukherjee,  AXIOMATIC CHARACTERIZATION OF QUASY-UNIFORM SPACES AND SOME OF ITS APPLICATIONS  **Coffee Break** |
| **11:30–13:30** | **Chairman: Tee How Loo, Technical Assistant: Miloš Antić** |
| 11:30–11:50 | Veronica Martin-Molina,  ON SOME SPECIAL PARACONTACT METRIC MANIFOLDS |
| 11:50–12:10  12:10–12:30  12:30–12:50  12:50–13:10  13:10–13:30  **13:30-15:00** | Koji Matsumoto,  CR-SUBMANIFOLDS WITH THE SYMMETRIC ∇\_σ IN A LOCALLY CONFORMAL KAEHLER SPACE FORM  Mancho Manev, Stefan Ivanov and Hristo Manev,  SASAKI-LIKE ALMOST CONTACT COMPLEX RIEMANNIAN MANIFOLDS  Hristo Manev and Mancho Manev,  THE COMPONENTS OF THE STRUCTURE TENSOR OF ALMOST CONTACT MANIFOLDS WITH B-METRIC IN THE BASIC CLASSES AND THE SMALLEST DIMENSION  Ivan Minchev,  QC HYPERSURFACES IN HYPER-KAEHLER GEOMETRIES  Nikolay Nikolaevich Martynchuk,  SEMI-LOCAL LIOUVILLE EQUIVALENCE OF COMPLEX HAMILTONIAN SYSTEMS DEFINED BY RATIONAL HAMILTONIAN  **Lunch break** |
| **15:00–17:00** | **Chairman: Oscar Palmas, Technical Assistant: Miljan Knežević** |
| 15:00–15:20  15:20–15:40  15:40–16:00  16:00-16:20  16:20-16:40  16:40-17:00 | Małgorzata Głogowska,  CURVATURE PROPERTIES OF SOME CLASS OF HYPERSURFACES  Murat Babaarslan, Yusuf Yayli,  A STUDY ON BERTRAND CURVES AND TIME-LIKE CONSTANT SLOPE SURFACES IN 3-DIMENSIONAL MINKOWSKI SPACE  Tee How Loo,  PSEUDO PARALLEL CR-SUBMANIFOLDS IN COMPLEX SPACE FORMS  Irina Kuzmina,  THE CONFORMAL MODELS OF FIBRATIONS DETERMINED BY THE ALGEBRA OF QUATERNIONS  Ergin Bayram, Emin Kasap,  INTRINISTIC EQUATIONS FOR A RELAXED ELASTIC LINE OF SECOND KIND IN MINKOWSKI 3-SPACE  Burcu Bektaş,  ON TIMELIKE ROTATIONAL SURFACES IN MINKOWSKI SPACE WITH POINTWISE 1-TYPE GAUSS MAP |
| **17:00–17:30** | **Coffee break** |
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| **17:30–19:10**  17:30–17:50  17:50–18:10  18:10–18:30  18:30-18:50  18:50-19:10  **20:00-00:00** | **Chairman: Dmitry V. Gugnin, Technical Assistant: Miljan Knežević**  Stanislav Nikolaenko,  ORBITAL EQUIVALENCE OF SOME CLASSICAL INTEGRABLE SYSTEMS  E. Kantonistova,  TOPOLOGICAL INVARIANTS OF INTEGRABLE HAMILTONIAN SYSTEMS ON THE SURFACES OF REVOLUTION UNDER THE ACTION OF POTENTIAL FIELD  Nikolay Yurievich Erokhovets,  G-POLYNOMIAL OF DEFORMATION OF MULTIPLICATION IN A RING  Vladimir Balan and Jelena Stojanov,  FINSLERIAN-TYPE GAF EXTENSIONS OF THE RIEMANNIAN FRAMEWORK IN DIGITAL IMAGE REGISTRATION  Milan Lj. Zlatanović and Milica D. Cvetković,  CARTAN'S CONNECTIONS IN A GENERALIZED FINSLER SPACE  **Conference Dinner** |
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