XXII GEOMETRICAL SEMINAR

May 26- May 31, 2024, Vrnjačka Banja, Serbia

PROGRAM

XXII Geometrical seminar is dedicated to professor Stana Nikčević

Sunday, May 26, 2024	
9^{00}-17^{00}	**ARRIVAL DAY**
17^{00}-19^{00}	**REGISTRATION**
	DINNER

Monday, May 27, 2024

7^{30}-13^{00}	**Registration**	
9^{00}-10^{00}	**Opening ceremony (Zoran Rakić, Ljubica Velimirović, Eduardo Garcia-Rio)**	
10^{00}-10^{30}	**Coffee break**	
CHAIR	*Zoran Rakić*	**ROOM 1**
Tech. Asst.	*Miloš Đorić*	
10^{30}-11^{00}	Stefan Ivanov	*The Riemannian curvature identities on Almost Complex Calabi-Yau with torsion 6-manifold and generalized Ricci solitons*
11^{00}-11^{30}	Vladimir Rovenski	*Weak nearly Sasakian and weak nearly cosymplectic manifolds*
11^{30}-12^{00}	Vladimir Dragović	*How to connect two most beautiful geometric theorems?*
12^{00}-12^{30}	FAN Huijun	*Spectrum problem of Schrodinger operators related to Landau-Ginzburg models*
12^{30}-15^{00}	**LUNCH BREAK**	
CHAIR	*Ljubica Velimirović*	**ROOM 1**
Tech. Asst.	*Ana Velimirović*	
15^{00}-15^{30}	Božidar Jovanović, Tijana Šukilović, Srđan Vukmirović	*Polynomial integrability of sub-Riemannian geodesic flows on compact Lie groups*
15^{30}-16^{00}	Velichka Milousheva	*Timelike Surfaces with Parallel Normalized Mean Curvature Vector Field and their Canonical Parameters*
16^{00}-16^{30}	Theodore Popelensky	*On certain new results on the Steenrod algebra $\mod p$*
16^{30}-17^{00}	Dmitri Alekseevsky	*Hopf Bundle, Listing's Law and Saccades 1*
17^{00}-17^{30}	**COFFEE BREAK**	
CHAIR	*Srđan Vukmirović*	**ROOM 1**
Tech. Asst.	*Milan Zlatanović*	
17^{30}-17^{50}	İrem Küpeli Erken	*Some Remarks on Quasi-para-Sasakian Manifolds*
17^{50}-18^{10}	Anton Vikhrov	*Geodesics in Gromov-Hausdorff class*
18^{10}-18^{30}	Craig van Coevering	*Extremal Kahler metrics and the moment map*
18^{30}-18^{50}	Admir Huseini	*Shape morphing using interpolation between implicit functions*
CHAIR	*Ivan Limonchenko*	**ROOM 2**
Tech. Asst.	*Miroslav Maksimović*	
17^{30}-17^{50}	Jelena Stojanov	*Geometrical eigenproblem of various types higher order tensors in Riemannian space*
17^{50}-18^{10}	Milica Stojanović	*3-Triangulation of polyhedra and their connection graphs*
18^{10}-18^{30}	Andrijana Dekić	*Almost Kahler structures on complex hyperbolic space*
18^{30}-18^{50}	Katarina Lukić	*The Jacobi-orthogonality and Osserman tensors*
18^{50}-19^{10}	Đorđe Kocić	*The shape operator of real hypersurfaces in S6(1)*
DINNER		

Tuesday, May 28, 2024

CHAIR	Miroslava Petrović Torgašev	ROOM 1
Tech. Asst.	Đorđe Kocić	
9^{00}-9^{30}	Alexandr Mishchenko	Maslov index and infinitesimal Lagrangian manifolds
9^{30}-10^{00}	Dmitri Alekseevsky	Hopf Bundle, Listing's Law and Saccades 2
10^{00}-10^{30}	Dmitry Millionshchikov	Minimal models of nilmanifolds and complex structures
10^{30}-11^{00}	Alexey Tuzhilin	Gromov-Hausdorff Distance and Geometric Optimization Problems
11^{00}-11^{30}	COFFEE BREAK	
CHAIR	Mancho Manev	ROOM 1
Tech. Asst.	Miroslav Maksimović	
11^{30}-12^{00}	Cornelia-Livia Bejan	Almost complex manifolds with Norden metrics
12^{00}-12^{30}	Anton Savin	On the Index Problem On Manifolds with Group Actions. Contributions of Fixed Points
12^{30}-13^{00}	Ilja Gogić	Applications of algebraic topology to operator algebras: Homogeneous C*-algebras
13^{00}-13^{30}	Miloš Arsenović	Convergence theorems for sequences of operator valued functions
13^{30}-15^{00}	LUNCH BREAK	
CHAIR	Vladica Andrejić	ROOM 1
Tech. Asst.	Miloš Đorić	
15^{00}-15^{30}	Ivan Limonchenko	Persistent homology theory and toric topology
15^{30}-16^{00}	Handan Yıldırım	Legendrian dual surfaces, lying in the 3-dimensional de Sitter space, of a spacelike curve in the 3-dimensional lightcone
16^{00}-16^{30}	Gleb Nosovskiy	Implementation of Postprocessing Procedure of a Rapid Algorithm of Geometric Coding of Digital Images Using CUDA Architecture
16^{30}-17^{00}	Filip Živanović	(Non) existence of Lagrangians in hyperkahler manifolds
17^{00}-17^{30}	COFFEE BREAK	
CHAIR	Ilja Gogić	ROOM 1
Tech. Asst.	Ivan Dimitrijević	
17^{30}-17^{50}	Alexander Petkov	Li-Yau sub-gradient estimates and Perelman-type entropy formulas for the heat equation in quaternionic contact geometry
17^{50}-18^{10}	Ekaterina Zhikhareva	Semisimple algebraic Nijenhuis operators on small dimentional Lie algebras
18^{10}-18^{30}	Daniil Ilyukhin	The Fermat-Torricelli problem in normed spaces
18^{30}-18^{50}	Khalifa Al Shaqsi	Neutrosophic Touchard Polynomials for Subclass of Analytic Functions
CHAIR	Ljiljana Radović	ROOM 2
Tech. Asst.	Marko Stefanović	
17^{30}-17^{50}	Ljubica Velimirović	Curvature based shape consideration
17^{50}-18^{10}	Marija Najdanović	On deformations preserving dual arc length in dual 3-space
18^{10}-18^{30}	Lidija Rančić and Svetozar Rančić	Basins of attractions of a new iterative method for finding simple zeros
18^{30}-18^{50}	Dušan Simjanović, Nenad Vesić	Invariants for geometric mappings
18^{50}-19^{10}	Milica D. Cvetković, Ana D. Mitrović	The Willmore energy variations and energy efficient architecture

DINNER

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CHAIR	*Mirjana Đorić*	**ROOM 1**
Tech. Asst.	*Milan Pavlović*	
9⁰⁰-9³⁰	Eduardo Garcia-Rio	*Critical metrics for quadratic curvature functionals*
9³⁰-10⁰⁰	Branko Dragovich	*Nonlocal de Sitter Gravity √dS and the Dark Side of the Universe*
10⁰⁰-10³⁰	Ivan Dimitrijević	*The Schwarzschild-de Sitter Metric of Nonlocal √dS Gravity*
10³⁰-11⁰⁰	Đorđe Baralić	*The mod p Buchstaber invariant*
11⁰⁰	**GROUP PHOTO IN FRONT OF THE HOTEL**	
11⁰⁰-11³⁰	**COFFEE BREAK**	
CHAIR	*Handan Yıldırım*	**ROOM 1**
Tech. Asst.	*Jovana Ormanović*	
11³⁰-12⁰⁰	Mancho Manev	*Ricci-Bourguignon Almost Solitons with Special Potential on Sasaki-like Almost Contact Complex Riemannian Manifolds*
12⁰⁰-12³⁰	Josef Mikeš, Nadezda Guseva	*Geodesic mappings and their generalizations*
12³⁰-13⁰⁰	Andronick Arutyunov	*On a coarse geometric approach to operator algebras*
13⁰⁰-13³⁰	Muhittin Evren Aydin	*Pointwise rectifying submanifolds and anti-torqued vector fields*
13³⁰-15⁰⁰	**LUNCH BREAK**	
CHAIR	*Velichka Milousheva*	**ROOM 1**
Tech. Asst.	*Katarina Lukić*	
15⁰⁰-15²⁰	Jelena Matović, Aleksandar Lipkovski	*Calculation of quiver representations of finite ring digraphs*
15²⁰-15⁴⁰	Kaori Yamaguchi	*On statistics which are almost sufficient from the viewpoint of the Fisher metrics*
15⁴⁰-16⁰⁰	Ariana Pitea	*Numerical algorithms on Hadamard manifolds*
16⁰⁰-16²⁰	Nenad Đ. Lazarov	*The velocity of one dimension cosmos*
16²⁰-16⁴⁰	Crina-Daniela Neacsu, Gabriel-Eduard Vîlcu	*On the stability of the identity map of compact space forms*
CHAIR	*Alexander Petkov*	**ROOM 2**
Tech. Asst.	*Marko Stefanović*	
15⁰⁰-15²⁰	Ljiljana Radović	*The geometrical personalization of human organs 3D models by using the Characteristic Product Features methodology*
15²⁰-15⁴⁰	Milan Pavlović, Tijana Šukilović	*Integrability of the sub-Riemannian geodesic flow of the left-invariant metric on the Heisenberg group*
15⁴⁰-16⁰⁰	Mustafa Özkan	*Fischer-Marsden Equation on Paracontact Geometry*
16⁰⁰-16²⁰	Igor Uljarević	*Size in contact geometry*
16²⁰-16⁴⁰	Miloš Petrović	*Composition of conformal and projective mappings of generalized Riemannian spaces in Eisenhart's sense preserving certain tensors*
16⁴⁰-17¹⁰	**COFFEE BREAK**	
CHAIR	*Cornelia-Livia Bejan*	**ROOM 1**
Tech. Asst.	*Milan Zlatanović*	
17¹⁰-17³⁰	Miroslav Maksimović, Milan Zlatanović	*Some curvature properties of quarter-symmetric metric connection*
17³⁰-17⁵⁰	Vladislava Milenković	*New types of mappings of generalized Riemannian spaces*
17⁵⁰-18¹⁰	Miloš Đorić	*Yamabe CR solitons on Kahler manifolds*
DINNER		

	Thursday, May 30, 2024 **Online talks and poster session**	
8^{00}-13^{00}	**OPTIONAL EXCURSION**	
13^{00}-15^{00}	**LUNCH BREAK**	
CHAIR	*Miroslava Antić*	**ROOM 1 (GMT+2)**
Tech. Asst.	*Đorđe Ivanović*	Zoom meeting link: https://zoom.us/j/96145958853?pwd=b3VRTjAxUlRIWVVxL2NIUmpvMGMzZz09 Passcode:992360
15^{00}-15^{30}	Andrei Vesnin	*On Yamada polynomial of spatial graphs and Jones polynomial of related links*
15^{30}-16^{00}	Qing Li	*A continuum space is the infinitely great*
16^{00}-16^{30}	Yurii Nikonorov	*On geodesic orbit nilmanifolds*
16^{30}-17^{00}	Bang-Yen Chen	*Great antipodal sets and applications*
CHAIR	*Tijana Šukilović*	**ROOM 2 (GMT+2)**
Tech. Asst.	*Dragan Đokić*	Zoom meeting link: https://zoom.us/j/92971565122?pwd=R25xY1dXUWVjOEM3dGlUNUdsRTBHZz09 Passcode:537056
15^{00}-15^{30}	Vitaly Balashchenko	*Left-invariant f-structures on low-dimensional solvable Lie groups*
15^{30}-16^{00}	Sergey E. Stepanov	*New vanishing theorem of conformal Killing forms*
16^{00}-16^{30}	Ryszard Deszcz etc.	*Curvature properties of pseudosymmetry type of some 2-quasi Einstein Manifolds*
16^{30}-17^{00}	Sergei Agapov	*Integrable geodesic flows with rational first integrals*
17^{00}-17^{30}	**COFFEE BREAK AND POSTER SESSION**	
CHAIR	*Ljubica Velimirović*	**ROOM 1 (GMT+2)**
Tech. Asst.	*Đorđe Ivanović*	Zoom meeting link: https://zoom.us/j/99152243291?pwd=K2dRVDlxZzUyVG5jempUZmdwMTJsdz09 Passcode:359716

17³⁰-18⁰⁰	Louis Kauffman	*Knot Dynamics and Vortex Reconnection*
18⁰⁰-18³⁰	Denis Ilyutko	*Weight systems of framed chord diagrams: the Circuit-Nullity formula and Lie algebras*
18³⁰-19⁰⁰	Miguel Brozos-Vázquez	*Remarks on weighted Einstein manifolds*
CHAIR	*Milan Zlatanović*	**ROOM 2 (GMT+2)**
Tech. Asst.	*Nenad Vesić*	Zoom meeting link: https://zoom.us/j/97445615172?pwd=N2cvcUVPUkxFOG1BVE5NeC82ak5zUT09 Passcode:431662
17³⁰-17⁵⁰	Anastasiia Shubert	*Geometric Properties of the Inertia Tensor of a Rigid Body*
17⁵⁰-18¹⁰	Elena N. Makhrova	*The structure of dendrites and dynamics of continuous maps on them*
18¹⁰-18³⁰	Elena Kudryavtseva	*Generic bifurcations of tori in 3D integrable Hamiltonian systems*
18³⁰-18⁵⁰	Victor Aguilar	*Geometry Notation*
18⁵⁰-19¹⁰	Pooja Rani and M.K. Vemuri	*The Brylinski beta function of a double layer*
20⁰⁰-24⁰⁰	**FAREWELL PARTY AND CLOSING CEREMONY**	

Friday, May 31, 2024	
	DEPARTURE OF PARTICIPANTS