

"The XVI-th International Conference of Differential Geometry and Dynamical Systems"

(DGDS-2022)

1-4 September 2022 * ONLINE * University Politehnica of Bucharest - Romania

= effective program =

Click on the right icon to see the present Bucharest time:

Links to sessions: [\[MS Teams\]](#) * [\[Teams-Thu\]](#) * [\[Teams-Fri\]](#) * [\[Zoom\]](#)

EEST = GMT+3

Important note: the links can be accessed *starting with 10' before the section*

Please find below the table details regarding the links

#	Date and time	Authors(s)	Title of talk	C	Platform
	1.09 a.m. 10-12:20	[THURSDAY A.M.]	Chairmen [Zoom]: Massimiliano Ferrara and Constantin Udriște		
*	1.09 10:00	Constantin Udriște Vladimir Balan	DGDS-2022 Conference Official Opening		Zoom
1.	1.09 10:10	Constantin Udriște, Ionel Tevy	[Book presentation: Variational Calculus with Engineering Applications, 2023, John Wiley & Sons Ltd * Constantin Udriște and Ionel Tevy]	Ro	Zoom
2.	1.09 10:30	Massimiliano Ferrara, Ali Ahmadian, Soheil Salashour	A novel Fuzzy dynamic expert system applied in economic with pandemic situations	It Ir Tr	Zoom
3.	1.09 11:00	Mehmet Akif Akoyl, Sarvesh Kumar Yadav, Mohd Hasan Shahid	f biharmonic and bi-f- harmonic Riemannian submersion	In	Zoom
4.	1.09 11:30	Vasile Preda, Gabriel Teodor Pripoae, Cristina Liliana Pripoae, Iulia Elena Hiriță	Lie symmetries of the nonlinear Fokker-Planck equation based on some weighted entropies	Ro	Zoom
5.	1.09 12:00	Tamalika Dutta	On conformal Ricci solitons	In	Zoom
	1.09 p.m. 13-18:00	[THURSDAY P.M.]	Chairmen: [MS Teams]: Mancho Manev and Alexandr Cichurin [Zoom]: Barnali Laha and Mohd Aslam		
1.	1.09 13:00	Sinem Guler	Gradient Shouten solitons and some applications	Tr	MS Teams
2.	1.09 13:30	Mancho Manev	On Ricci-like solitons compatible with almost contact structures and b-metrics	Bg	MS Teams
3.	1.09 14:00	Alexander Chichurin, Galina Filipuk	Linear equations and their connection to nonlinear equations of the fourth order	Pl	MS Teams
1.	1.09 14:30	Alina Ivashkevich, Anton Bury, Alexander Chichurin, Vladimir Balan, Viktor Redkov	Solutions with spherical symmetry of the matrix equation for a massless spin 2 particle, eliminating the gauge degrees of freedom	By	Zoom
2.	1.09 15:00	Alina Ivashkevich	Eigenvalues of the generalized helicity operator for spin 3/2 particle in presence of external magnetic field, the projective operators	By Ro	Zoom
3.	1.09 15:30	Elena Ovsyuk, Alina Ivashkevich, Artur Safronov	Stuckelberg particle in external magnetic field, wave functions and energy spectra, relativistic and non-relativistic treatments	By	Zoom
4.	1.09 16:00	Barnali Laha	Geometrical study of pseudo-slant submanifolds of a Kenmotsu manifold	In	Zoom
5.	1.09 16:30	Nicoleta Bila	Tzitzeica vector fields	US	Zoom
6.	1.09 17:00	Artur Sergyeyev	Multidimensional integrable systems related to Jacobi structures	Cz	Zoom
7.	1.09 17:30	Mohd Aslam, Sarvesh Kumar Yadav	Chen's inequality for warped products slant submanifolds in Locally Golden product space forms	In	Zoom
	2.09 a.m. 9-12:40	[FRIDAY A.M.]	Chairmen [Zoom]: David Seifipour and Majid Ali Choudhary		
1.	2.09 9:00	Vladimir Golubyatnikov	Invariant foliations in models of gene networks functioning	Ru	Zoom
2.	2.09 10:00	Majid Ali Choudhary	Recent advances in Casorati curvature invariants	In	Zoom
3.	2.09 10:30	Payel Karmakar	Cotton tensor on 3-dimensional Kenmotsu manifolds admitting η -Ricci solitons	In	Zoom
4.	2.09 11:00	Remi Leandre	Malliavin Calculus of Bismut type for non-Markovian generators: an introduction	Fr	Zoom
5.	2.09 11:30	Vasyl Fedorchuk, Volodymyr Fedorchuk	On symmetry reduction of the (1+3)-dimensional Inhomogeneous Monge-Ampère equation to algebraic equations	Ua	Zoom
6.	2.09 12:00	Nina Krylova, Elena Ovsyuk, Viktor Red'kov	The Dirac equation for a spin 1/2 particle in the Schwarzschild and Newman-Unti-Tamburino spaces, geometrization within Kosambi-Cartan-Chern theory	By	Zoom
7.	2.09 12:20	Anton Bury, Alina Ivashkevich, Olga Semenyuk	Spin 1 particle in external magnetic field and projective operators	By	Zoom

	2.09 p.m. 14-18:30	[FRIDAY P.M.]	Chairmen: [MS Teams]: Iva Dokuzova and Eberhard Malkowsky [Zoom]: Behroz Bidabad and Vladimir Balan		
1.	2.09 14:00	Beatrice Elena Toader	The multivariate normal manifold	Ro	MS Teams
2.	2.09 14:30	Iva Dokuzova	Four-dimensional Riemannian manifolds with circulant structures and skew-circulant structures	Bg	MS Teams
1.	2.09 15:00	Eberhard Malkowsky	Compact operators on the Hahn space	Sr	Zoom
2.	2.09 15:30	Victor Patrangenaru, Robert Paige, Aaid Algahtani	A statistical and topological data analysis of 2D and 3D scenes extracted from electronic images (& R. Paige, A. Algahtani)	US	Zoom
3.	2.09 16:00	Vladimir Rovenski	Metric structures that admit totally geodesic foliations	Il	Zoom
4.	2.09 16:30	Fatemeh Ahmadi, Behroz Bidabad, Mohamad-Ebrahim Shiri, Maral Sedaghat	Ricci flow-based feature extraction to study Alzheimer's disease	Ir	Zoom
5.	2.09 17:00	Uday Chand De	Pseudosymmetric Spacetimes	In	Zoom
6.	2.09 17:30	Tudor Barbu	Geometric and PDE models for moving object detection and tracking	Ro	Zoom
7.	2.09 18:00	Samaneh Saberali	On conformal vector fields on Einstein Finsler manifolds	Ir	Zoom
	3.09 a.m. 9-12:30	[SATURDAY A.M.]	Chairmen [Zoom]: Shyamal Kumar Hui and Paul Popescu		
1.	3.09 9:00	László Kozma, Salah Gomaa Elgendi	On the existence of parallel one forms	Hu Eg	Zoom
2.	3.09 9:30	Ganesh Prasad Pokhariyal	Geometric and Physical properties of curvature tensors - a review	Ke	Zoom
3.	3.09 10:00	Alexandr Prishlyak	Topology of flows on Boy's and Girl's surfaces	Ua	Zoom
4.	3.09 10:30	Marcela Popescu, Paul Popescu	Extended curvatures and Lie pseudoalgebras	Ro	Zoom
5.	3.09 11:00	Shyamal Kumar Hui	Eigenvalue of (p,q)-Laplace system along certain flows	In	Zoom
6.	3.09 11:30	Bikiran Das	Some results on extended weakly symmetric Lorentzian para Kenmotsu manifold	In	Zoom
7.	3.09 11:50	Buddhadev Pal, Pankaj Kumar	On Riemannian Poisson warped product space	In	Zoom
8.	3.09 12:10	Esra Erkan, Mehmet Gulbahar	Tangential real hypersurfaces on Hermite-like manifolds	Tr	Zoom
	3.09 p.m. 13:30-18:00	[SATURDAY P.M.]	Chairmen: [Zoom]: Absos Ali Shaikh and Sabina Eyasmin [MS Teams]: Vesna Velickovic and Savita Rani		
1.	3.09 13:30	Mohammed Danish Siddiqi	Solitonic significance of Riemannian submersions under canonical variation	SA	Zoom
2.	3.09 14:00	Armando Corro, Marcelo Souza, Romildo Pina	Helicoidal graphs and cylindrical minimal surfaces in conformally flat 3-spaces	Br	Zoom
3.	3.09 14:30	Absos Ali Shaikh	Geometry of Ricci Solitons	In	Zoom
4.	3.09 15:00	Sabina Eyasmin	Curvature properties of Morris-Thorne wormhole metric	In	Zoom
5.	3.09 16:00	Savita Rani, Ram Shankar Gupta	Ricci solitons on Golden Riemannian manifolds	In	Zoom
6.	3.09 16:30	Stuti Tamta, Ram Shankar Gupta	Pointwise 1-type Gauss map of developable Smarandache ruled surfaces in Euclidean 3-space.	In	Zoom
7.	3.09 17:00	Vesna Velickovic	Visualization and modeling spheres in some paranormed sequence spaces	Sr	Zoom
8.	3.09 17:30	Fabian Antonio Arias Amaya, Mikhail Malakhaltsev	Singularities of contact structures and symplectic geometry	Co	Zoom
	4.09 a.m. 9-13:00	[SUNDAY A.M.]	Chairmen: [Zoom]: Leila Nourmohammadifar and Mir Ahmad Mirshafeezadeh		
1.	4.09 9:00	Behroz Bidabad, Mir Ahmad Mirshafeezadeh, Leila Safakish	Harmonic p -forms in Finsler geometry	Ir	Zoom
2.	4.09 9:30	Aliya Naaz Siddiqui	Recent developments in CR-statistical submanifolds	In	Zoom
3.	4.09 10:00	Piotr Mormul	Two main standing problems in the Goursat Monster Tower	Pl	Zoom
4.	4.09 10:30	Esmail Peyghan, Leila Nourmohammadifar, Akram Ali	f -statistical connections and Miao-Tam statistical manifolds	Ir	Zoom
5.	4.09 11:00	Manoj Ray Bakshi Kanak Kanti Baishya	Four classes of Riemann solitons on α -cosymplectic manifolds	In	Zoom

6.	4.09 11:20	Haradhan Kundu	Extended weakly symmetric manifolds	In	Zoom
7.	4.09 11:40	Ashok Kumar, Ranadip Gangopadhyay, Hemangi Madhusudan Shah, Banktेशwar Tiwari	On minimal surfaces of rotation in deformed hyperbolic Kropina space	In	Zoom
8.	4.09 12:00	Leila Nourmohammadifar, Esmail Peyghan	Co-Kahler Hom-Lie algebras	Ir	Zoom
9.	4.09 12:30	Esmail Peyghan, Davood Seifipour	On the geometry of mutual curvatures and dualistic structures in the tangent bundle	Ir	Zoom
	4.09 p.m. 14-18:00	[SUNDAY P.M.]	Chairmen [Zoom]: Neda Bokan and Mukut Mani Tripathi		
1.	4.09 14:00	Vandana, Aliya Naaz Sididqui	Para-Sasakian admitting Ricci-Yamabe solitons with quarter symmetric metric connection	In	Zoom
2.	4.09 14:30	Neda Bokan, Srdjan Vukmirovic, Tijana Sukilovic	Nilpotent Lie groups and their moduli spaces of metrics	Sr	Zoom
3.	4.09 15:00	Cornelia Livia Bejan, Cem Sayar	Generic submanifolds of almost contact manifolds	Ro US	Zoom
4.	4.09 15:50	David Carfi	Relativistic Quantum Mechanics in Schwartz distribution spaces defined on Minkowski space-time	It	Zoom
5.	4.09 16:30	Vladimir Gladyshev, Vladimir Kauts, Igor Fomin	On generation and detection of gravitational waves in laboratory	Ru	Zoom
6.	4.09 17:00	Kanak Kanti Baishya, Manoj Ray Bakshi	Critical metric equation on α -cosymplectic manifold	In	Zoom
7.	4.09 17:30	Mukut Mani Tripathi	Generalizations of real space forms and Einstein manifolds	In	Zoom
*	4.09 18:00	Constantin Udriște Vladimir Balan	DGDS-2022 Conference Official Closing		Zoom

General link to the MS Teams sections

<https://teams.microsoft.com/join/19%3a8ae0edd287b94163abac6fe108951f7%40thread.tacv2/1662023326049?context=%7b%22id%22%3a%222d8cc8ba-8dda-4334-9e5c-fac2092e9bac%22%2c%22oid%22%3a%22087f6874-a593-4f2d-85de-9076363bc8f2%22%7d>

MS Teams Conference DGDS-2022 Team Code: l2vgeq8

Direct link to the MS Teams meetings:

Link <https://teams.microsoft.com/join/19%3a8ae0edd287b94163abac6fe108951f7%40thread.tacv2/1662023326049?context=%7b%22id%22%3a%222d8cc8ba-8dda-4334-9e5c-fac2092e9bac%22%2c%22oid%22%3a%22087f6874-a593-4f2d-85de-9076363bc8f2%22%7d>

Thursday 1.09, 13:00-14:30: Meeting ID: 336 557 117 997 * Passcode: 5LqLVt

Friday 2.09, 14:00-15:30: Meeting ID: 336 163 964 407 * Passcode: 24gLj8

Link to the Zoom sections

<https://zoom.us/j/92957727615?pwd=WFQ0T0NlR5SjZlbnVjZUJlTlJhV0R0>

Zoom Conference DGDS-2022 ID: 929 5772 7615, Password: u7mCwe

Technical assistance-schedule

Day	A.M.	P.M.	
1	10-12:20 (Zoom, Lavinia Petrescu)	13-14:30 (MS Teams, Vladimir Balan)	14:30-18 (Zoom, Simona Dinu)
2	9-12:40 (Zoom, Simona Dinu)	14-15:00 (MS Teams, Vladimir Balan)	15-18:30 (Zoom, Raluca Tuligă)
3	9-12:30 (Zoom, Raluca Tuligă)	13:30-15:30 (Zoom, Raluca Tuligă)	15:30-18 (Zoom, Vladimir Balan)
4	9-13 (Zoom, Lavinia Petrescu)	14-18 (Zoom, Simona Dinu)	

[Time converter](#)

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