

Monday, August 27th

Location: SERBIAN ACADEMY OF SCIENCES AND ARTS, Pasiceva 6		
8:30 – 9:30	Registration	
9:30 – 10:00	Chair: M. Nedeljkov and S. Pilipovic	OPENING CEREMONY <ul style="list-style-type: none"> Greeting words from the organizers and hosts Olga Hadzic: Commemoration dedicated to the memory of Prof. Bogoljub Stankovic Stevan Pilipovic: Celebration dedicated to Prof. Michael Oberguggenberger on the occasion of his 65th birthday
10:00 – 10:50		Marko Nedeljkov: Using different forms of the Dirac delta function in papers with Michael Oberguggenberger
10:50 – 11:10	<i>Coffee break</i>	
11:10 – 11:35	Chair: S. Pilipovic	Michael Oberguggenberger: Colombeau random variables
11:35 – 12:25		Guenther Hoermann: Distributional information contained in Colombeau generalized solutions to partial differential equations
12:25 – 13:15		Michael Ruzhansky: Recent progress on very weak solutions
13:15 – 14:15		CATERING LUNCH

Location: DEPARTMENT OF MATHEMATICS, FACULTY OF SCIENCES, Trg Dositeja Oradovica 4		
SECTION A, Classroom 62 (third floor)		
15:00 – 15:25	Chair: M. Oberguggenberger	S. Pilipovic: Regularity through mollification
15:25 – 15:50		A. Kaminski: On the product of ultradistributions of Beurling and Roumieu type
15:50 – 16:15		S. M. Kaminska: Existence theorems for convolution of Roumieu ultradistributions
16:15 – 16:40		E. Iseni: For some boundary value problem in distributions
16:40 – 17:00	<i>Coffee break</i>	
17:00 – 17:25	Chair: B. Prangoski	F. Ouikene: Almost periodic generalized ultradistributions
17:25 – 17:50		P. Dimovski: Wave front sets with respect to Banach spaces of ultradistributions. Characterisation via the short-time Fourier transform
17:50 – 18:15		L. Neyt: The structure of ultradistributional quasiasymptotics

Location: DEPARTMENT OF MATHEMATICS, FACULTY OF SCIENCES, Trg Dositeja Oradovica 4		
SECTION B, Classroom 65 (third floor)		
15:00 – 15:25	Chair: M. Ruzhansky	Dj. Takaci: On the solutions of the fuzzy fractional differential equation
15:25 – 15:50		S. Pantic: An energy study of solitary wave solutions for the extended regularized long-wave equation
15:50 – 16:15		C. Spreitzer: Distributional limits of generalized solutions to the Cauchy problem for first-order systems
16:15 – 16:40		M.T. Khalladi: On the existence of almost periodic generalized solutions of linear differential equations with generalized constant coefficients
16:40 – 17:00	<i>Coffee break</i>	
17:00 – 17:25	Chair: D. Selesi	I. Melnikova: Generalized and regularized solutions to infinite dimensional stochastic problems
17:25 – 17:50		M. Schwarz: Stochastic transport in the Goupillaud medium, a Colombeau version
17:50 – 18:15		S. Gordic: Stationary Colombeau stochastic processes

Tuesday, August 28th

Location: SERBIAN ACADEMY OF SCIENCES AND ARTS, Pasiceva 6		
9:00 – 9:50	Chair: J. Tofft	Bojan Prangoski: Quasi-analytic representation theory of $(\mathbb{R}^d, +)$ over quasi-complete locally convex spaces
9:50 – 10:40		Yaguang Wang: On analysis of the Prandtl boundary layer
10:40 – 11:00	<i>Coffee break</i>	
11:00 – 11:50	Chair: M. Kunzinger	Michael Reissig: A general Levi condition for weakly hyperbolic Cauchy problems
11:50 – 12:40		Tokio Matsuyama: On the Gevrey well-posedness of the Kirchhoff equation
12:40 – 13:10		ISAAC Academic Awards, hosted by M. Reissig
13:10 – 14:15	CATERING LUNCH	

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SECTION A, Classroom 62 (third floor)		
15:00 – 15:25	Chair: T. Todorov	D. Scarpalezos: Connectivity versus topology for generalized functions and points
15:25 – 15:50		A. Ranjbari: Uniformly closure of sets and some continuity results in locally convex cones
15:50 – 16:15		M. Hasler: The Picard-Lindelöf method in Colombeau type algebras
16:15 – 16:40		D. Karp: Fractional Hankel transform on spaces of entire functions and their duals
16:40 – 17:00	<i>Coffee break</i>	
17:00 – 17:25	Chair: M. Hasler	M. Kunzinger: A category of non-linear generalized functions
17:25 – 17:50		A. Filinkov: On the composition of integral operators acting in tempered Colombeau algebras
17:50 – 18:15		E. Nigsch: Distributional curvature of conical metrics in full Colombeau algebras

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SECTION B, Classroom 65 (third floor)		
15:00 – 15:25	Chair: T. Atanackovic	J. Vickers: Some recent (and not so recent) results on generalised solutions to hyperbolic equations
15:25 – 15:50		J.A. Marti: The hurricane eye's wall
15:50 – 16:15		R. Steinbauer: Impulsive gravitational waves and their mathematics
16:15 – 16:40		B. Schinnerl: Geodesic completeness for impulsive gravitational waves in a cosmological background
16:40 – 17:00	<i>Coffee break</i>	
17:00 – 17:25	Chair: I. Melnikova	M. Kostic: Weyl-almost periodic solutions and asymptotically Weyl-almost periodic solutions of abstract Volterra integro-differential equations
17:25 – 17:50		I. Kmit: Bounded solutions to quasilinear first-order hyperbolic systems in a strip
17:50 – 18:15		D. Velinov: Disjoint hypercyclic properties of abstract differential equations of first order

Wednesday, August 29th

Location: SERBIAN ACADEMY OF SCIENCES AND ARTS, Pasiceva 6		
9:00 – 9:50	Chair: M. Reissig	Joachim Toft: Periodic ultra-distributions and periodic elements in modulation spaces
9:50 – 10:40		Hans Feichtinger: Banach spaces of ultra-distributions over LCA groups
10:40 – 11:00	<i>Coffee break</i>	
11:00 – 11:50	Chair: H. Feichtinger	Jasson Vindas: Topological properties of convolutor spaces
11:50 – 12:40		Sandro Coriasco: Equivalent representations and principal symbol map of Lagrangian distributions on asymptotically Euclidean manifolds

Lunch break

Location: DEPARTMENT OF MATHEMATICS, FACULTY OF SCIENCES, Trg Dositeja Oradovica 4		
SECTION A, Classroom 62 (third floor)		
14:30 – 14:55	Chair: D. Selesi	V. Turunen: Time-frequency analysis on compact groups
14:55 – 15:20		V. Vuojamo: Time-Frequency Analysis on $SU(2)$
15:20 – 15:45		D. Stoeva: Frechet frames for spaces of generalized functions and localization
15:45 – 16:10		S. Aleksic: Localized frames in shift-invariant spaces
16:10 – 16:30	<i>Coffee break</i>	
16:30 – 16:55	Chair: V. Turunen	I. Ivec: Transport properties for parabolic H-measures
16:55 – 17:20		S. Jaksic: Weyl calculus of pseudo-differential operators on space of tempered distributions on positive orthant
17:20 – 17:45		N. Teofanov: The Grossmann-Royer transform on Gelfand-Shilov type spaces with an application to localization operators

Location: DEPARTMENT OF MATHEMATICS, FACULTY OF SCIENCES, Trg Dositeja Oradovica 4		
SECTION B, Classroom 65 (third floor)		
14:30 – 14:55	Chair: S. Coriasco	S. Y. Chung: A new blow-up condition for solutions to p-Laplacian parabolic equations
14:55 – 15:20		C. Min-Jun: Eigenvalue problems for discrete Laplacian under the mixed boundary conditions and their applications
15:20 – 15:45		M. Capiello: Schroedinger-type equations in Gelfand-Shilov spaces
15:45 – 16:10		N. Dugandzija: Generalized solutions to multidimensional cubic Schroedinger equation with delta potential
16:10 – 16:30	<i>Coffee break</i>	
16:30 – 16:55	Chair: Y. Wang	T. Atanackovic: Wave equation in Zener-type viscoelasticity with Caputo-Fabrizio derivatives
16:55 – 17:20		Lj. Oparnica: Distributed order fractional differential equation modeling viscoelastic waves
17:20 – 17:45		S. Trifunovic: Existence of a weak solution to incompressible viscous fluid and nonlinear plate fluid-structure interaction problem in 3D

*** 19:00 Conference Dinner, Restaurant Osam Tamburaša at Petrovaradin Fortress ***

*** please refer to the section SOCIAL PROGRAM for exact details and fees that apply ***

Thursday, August 30th

Location: SERBIAN ACADEMY OF SCIENCES AND ARTS, Pasiceva 6		
9:00 – 9:50	Chair: K. Saneva	Nenad Antonic: H-distributions and mixed-norm Lebesgue spaces

***** EXCURSION AND LUNCH *****

***** please refer to the section SOCIAL PROGRAM for exact details and fees that apply *****

Meeting point and start: 10:00 Serbian Academy of Sciences and Arts (in front of the building)

Friday, August 31st

Location: DEPARTMENT OF MATHEMATICS, FACULTY OF SCIENCES, Trg Dositeja Oradovica 4		
SECTION A, Classroom 62 (third floor)		
9:00 – 9:25	Chair: G. Hoerman	T. Todorov: Linear discontinuous functionals as generalized functions
9:25 – 9:50		M. Slimani: Asymptotic almost automorphy of generalized functions
9:50 – 10:15		C. Bargetz: On sequence-space representations of spaces of smooth functions and distributions
10:15 – 10:35	<i>Coffee break</i>	
10:35 – 11:00	Chair: J. Vindas	Y. Yang: Asymptotic expansions of thick distributions
11:00 – 11:25		G. Debruyne: Optimality of Tauberian theorems

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SECTION B, Classroom 65 (third floor)		
9:00 – 9:25	Chair: N. Antonic	M. Janev: Complex fractional Zener model of wave propagation
9:25 – 9:50		S. Atanasova: Stockwell transform and characterization of wave front sets
9:50 – 10:15		N. Yessirkegenov: Very weak solutions to wave equations on graded groups
10:15 – 10:35	<i>Coffee break</i>	
10:35 – 11:00	Chair: T. Matsuyama	P. Kunstek: Numerical methods for classical optimal designs with classical solutions
11:00 – 11:25		F. Tomic: New challenges in extended Gevrey regularity

Location: DEPARTMENT OF MATHEMATICS, FACULTY OF SCIENCES, Classroom: 65		
11:30 – 13:00	Chair: M. Nedeljkov	CLOSING CEREMONY and CATERING LUNCH