

Session Schedule

(any last minute changes will be posted at the Conference Center in K building)

Applications of dynamical systems theory in biology (adst)

Time	Name/Room	Title of the talk
Mo. 14/8		
14.40-15.10 15.15-15.45 16.10-16.40 16.45-17.15 17.20-17.50		
Tu. 15/8		
14.05-14.35 14.40-15.10 15.35-16.05 16.10-16.40 16.45-17.15 17.20-17.50		
We. 16/8	K2083	
09.20-09.50 09.55-10.25 10.50-11.20 11.25-11.55 12.00-12.30 12.35-13.05	Tom Britton Vladimir Yakushev Mohammed El Fatini Morteza Maleknia Amira Asta Yuanji Cheng	Directed preferential attachment models The intrastromal correction of the cornea shape in keratoconus Stochastic Epidemic Model Driven by white noise or Lévy jumps A Subgradient Method for Unconstrained Nonconvex Nonsmooth Optimization TBA TBA
Th. 17/8	K2083	
14.05-14.35 14.40-15.10 15.35-16.05 16.10-16.40 16.45-17.15 17.20-17.50	Alf Månsson Philipp Getto Lucia Tamburino Angela Martiradonna Francesca Scarabel Open slot	Modelling molecular motor function for drug discovery Modelling and analysis of maturation processes of stem cell populations TBA Hypersensitive Optimal Control of Invasive Species Numerical bifurcation analysis of delay models for physiologically structured populations
Fr. 18/8	K2083	
14.25-14.55 15.00-15.30 15.35-16.05	Gunnar Söderbacka Niklas Lundström Torsten Lindström	Behaviour of many predators - one prey systems How to find efficient harvesting strategies in stage-structured populations Cycles and multiple attractors explained in terms of saturation effects for mixotrophy

Approximation Theory and Special Functions - 4th Series (atsf)

Time	Name/Room	Title of the talk
Mo. 14/8		
14.40-15.10 15.15-15.45 16.10-16.40 16.45-17.15 17.20-17.50		
Tu. 15/8	K1040	
14.05-14.35	1. Tugba Yurdakadim 2. Vita Leonessa	Generalized Limits in the view of B -Statistical Convergence Generalized Kantorovich operators on convex compact subsets and their application to evolution problems
14.40-15.10	1. Tuba Vedi-Dilek 2. Turkan Y. Gokcer	Approximation properties of Durrmeyer type Bernstein operators based on (p, q) -integers with two variables Some convergence methods on pseudo linear operators
15.35-16.05	1. Gumrah Uysal 2. Duriye Korkmaz-Duzgun	On singular double integrals equipped with summation Extended multivariable hypergeometric functions
16.10-16.40	1. Ismet Yuksel 2. Nesibe Manav	On statistical approximation properties of a generalization of Gamma type operators on (p, q) -integer Approximation by Jain type Szasz-Durrmeyer operators to Bögel continuous functions
16.45-17.15	1. Nejla Özmen 2. Serap Herdem	On the generalized Sylvester polynomials Weighted approximation by q -Ibragimov-Gadjiev operators
17.20-17.50		
We. 16/8	K1040	
09.20-09.50 09.55-10.25 10.50-11.20	1. Can Turkun 2. Emre Tas	Neural network approximation in summation process Approximation by positive linear operators in modular spaces by power series method
11.25-11.55	1. Flavia Lanzara 2. Ismail Aslan	Approximation of solutions to time dependent multidimensional Schrödinger equations Approximation by nonlinear integral operators with the help of summation methods
12.00-12.30	1. Sule Y. Gungor 2. Matanat Gafarli	Approximation by generalized Bleimann-Butzer-Hahn operators of max-product kind On statistical approximation properties of a genuine type (p, q) -Phillips operators
12.35-12.50	1. Canay Aykol	Riesz Potential in the Local Morrey-Lorentz Spaces
Th. 17/8		
14.05-14.35 14.40-15.10 15.35-16.05 16.10-16.40 16.45-17.15 17.20-17.50		
Fr. 18/8		
14.25-14.55 15.00-15.30 15.35-16.05		

Complex analysis and convex optimization and their applications in wave physics (caco)

Time	Name/Room	Title of the talk
Mo. 14/8	K1050	
14.40-15.10	Anders Lindquist	Moment problems and optimization: A global-analysis approach to problems with rationality constraints
15.15-15.45	Mats Gustafsson	Herglotz functions, sum rules, and fundamental limitations on electromagnetic systems
16.10-16.40	Daniel Sjöberg	Physical bounds and convex optimization approximations for electromagnetically functional surfaces
16.45-17.15	Dierk Bormann	Application of perturbation theory to the Frequency Response Analysis of large electrical machines
17.20-17.50	Yevhen Ivanenko	Passive approximation and optimization with B-splines
Tu. 15/8	K1050	
14.05-14.35	Mitja Nedic	An integral representation for Herglotz-Nevalinna functions in several variables and its consequences
14.40-15.10	Börje Nilsson	Ultradistributions and generalized Herglotz-Nevalinna functions
15.35-16.05	Mariana Dalarsson	Absorption and plasmonic resonances for small ellipsoidal particles in lossy media
16.10-16.40	Maria De Lauretis	Application of Herglotz-Nevalinna functions to a multiconductor transmission line model based on Green's functions.
16.45-17.15	Andrei Ludvig-Osipov	Fundamental bound on extraordinary transmission through periodically perforated screens
17.20-17.50	Sven Nordebo	Semi-infinite moment constraints for Stieltjes functions with applications in homogenization theory
We. 16/8		
09.20-09.50		
09.55-10.25		
10.50-11.20		
11.25-11.55		
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Th. 17/8		
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16.45-17.15		
17.20-17.50		
Fr. 18/8		
14.25-14.55		
15.00-15.30		
15.35-16.05		

Complex and functional analytic methods for differential equations (cfam)

Time	Name/Room	Title of the talk
Mo. 14/8	K1074	
14.40-15.10	Tynysbek S. Kalmenov	A Bitsadze-Samarsky boundary condition for the elliptic-parabolic volume potential
15.15-15.45	Makhmud A. Sadybekov	On a generalised Samarskii-Ionkin type problem for the Poisson equation
16.10-16.40	Akram Begmatov	The Problem of Integral Geometry of Volterra Type
16.45-17.15	Open slot	
17.20-17.50	Open slot	
Tu. 15/8	K1074	
14.05-14.35	Mussakan Muratbekov	TBA
14.40-15.10	Kordan N. Ospanov	On maximal regularity of differential and difference operators
15.35-16.05	Gulden Murzabekova	Regularity and controllability of the heat equation with memory and loaded masses on graphs
16.10-16.40	Karlygash Nurtazina	Boundary inverse problems for the heat equation with memory and loaded masses on graphs
16.45-17.15	Open slot	
17.20-17.50	Open slot	
We. 16/8	K1074	
09.20-09.50		
09.55-10.25	Alberto Cialdea	Some applications of the theory of conjugate differential forms
10.50-11.20	Nino Manjavidze	On one interpretation of a uniqueness theorem of the theory of analytic functions
11.25-11.55		
12.00-12.30		
12.35-13.05		
Th. 17/8		
14.05-14.35		
14.40-15.10		
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16.45-17.15		
17.20-17.50		
Fr. 18/8	K1074	
14.25-14.55		
15.00-15.30	Okay Celebi	Dirichlet type boundary value problems in polydiscs
15.35-16.05	Heinrich Begehr	Robin problem for Poisson equation

Complex-analytic and Wiener-Hopf methods in the applied sciences (cawhm)

Time	Name/Room	Title of the talk
Mo. 14/8	K1213	
14.40-15.10	Sergei Rogosin Vu Kim Tuan	Approximate factorization of a class of matrix functions On the Toeplitz plus Hankel integral equation
15.15-15.45		
16.10-16.40		
16.45-17.15		
17.20-17.50		
Tu. 15/8		
14.05-14.35		
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Fr. 18/8		
14.25-14.55		
15.00-15.30		
15.35-16.05		

Special interest group: IGCVPT Complex variables and potential theory (igcvpt)

Time	Name/Room	Title of the talk
Mo. 14/8		
14.40-15.10 15.15-15.45 16.10-16.40 16.45-17.15 17.20-17.50		
Tu. 15/8	K1076	
14.05-14.35	Anders Björn	The Dirichlet problem and boundary regularity for p -harmonic functions with respect to the Mazurkiewicz boundary
14.40-15.10	Open slot	
15.35-16.05	Paolo Luzzini	Some regularizing properties of the double layer heat potential
16.10-16.40	Anatoly Golberg	Regularity of mappings with integrally restricted moduli
16.45-17.15	R. Pukhtaievych	Series expansion for the effective conductivity of a non-ideal dilute composite
17.20-17.50	Lanza de Cristoforis	A space of kernels for volume potentials
We. 16/8	K1076	
09.20-09.50	Gabriela Kohr	Loewner theory in the study of biholomorphic mappings with A -parametric representation on the unit ball in \mathbb{C}^n
09.55-10.25	Michael Shapiro	On a class of holomorphic mappings in \mathbb{C}^2 related to bicomplex numbers
10.50-11.20	Vitalii Shpakivskyi	Monogenic functions in finite-dimensional commutative associative algebras
11.25-11.55	Sergiy Plaksa	Monogenic functions in biharmonic boundary value problems
12.00-12.30	Open slot	
12.35-13.05	Open slot	
Th. 17/8	K1076	
14.05-14.35	Open slot	
14.40-15.10	Open slot	
15.35-16.05		
16.10-16.40		
16.45-17.15		
17.20-17.50		
Fr. 18/8		
14.25-14.55		
15.00-15.30		
15.35-16.05		

Fixed point theory and its applications (fpta)

Time	Name/Room	Title of the talk
Mo. 14/8	K1073	
14.40-15.10	Mehdi Asadi	A new extension of Darbo's fixed point theorem via α -admissible simulation functions
15.15-15.45	Abdelkader Dehici	Some Remarks On Kirk's Generalized processes in Banach spaces
16.10-16.40	Hakan Sahin	New Generalization of Feng-Liu Type on \mathbf{M}_b -metric Space
16.45-17.15	Erdal Karapinar	A Short History of Metric Fixed Point Theory
17.20-17.50	Mahpeyker Öztürk	Fixed point theorems for mappings satisfying α -implicit contractive conditions in b -metric-like spaces
Tu. 15/8	K1073	
14.05-14.35	Farshid Khojasteh	Generalization of Darbo's fixed point theorem via SR -functions with application to integral equations
14.40-15.10	Hossein Monfared	Fixed point theorems in ordered M -metric spaces
15.35-16.05	Yasunori Kimura	Approximation of minimizers of convex functions defined on a complete geodesic spaces
16.10-16.40	Mohammad Rahimi	Generalized implicit vector variational inequality problems
16.45-17.15	Najeh Redjel	On Some Extensions of Nadler's Fixed point theorem
17.20-17.50	Inci Erhan	Fixed points of various contraction mappings on Branciari b -metric spaces
We. 16/8	K1073	
09.20-09.50	Assia Guezane-Lakoud	Study of Boundary value problems by a fixed point theorem
09.55-10.25	Devendra S. Solanki	Concept of md -metric space and fixed point for the application in medical science
10.50-11.20		
11.25-11.55		
12.00-12.30		
12.35-13.05		
Th. 17/8		
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17.20-17.50		
Fr. 18/8		
14.25-14.55		
15.00-15.30		
15.35-16.05		

Special interest group: IGPDE Harmonic analysis and partial differential equations (igpde1)

Time	Name/Room	Title of the talk
Mo. 14/8	K1211	
14.40-15.10	Baoxiang Wang	On dissipative nonlinear evolutional pseudo-differential equations spaces
15.15-15.45	Winfried Sickel	Nikolskij-Besov Spaces Built on Morrey Spaces
16.10-16.40	Maximilian Reich	Composition in Weighted Modulation Spaces and Applications to Nonlinear PDEs
16.45-17.15	Yurii Kolomoitsev	On approximation by multivariate KantorovichKotelnikov sampling operators on m -dimensional torus
17.20-17.50	Bolys Sabitbek	Horisontal weighted Hardy-Rellich type inequalities on stratified Lie groups magnetic field and for twisted Laplacian
Tu. 15/8	K1211	
14.05-14.35	Neal Bez	Harmonic analysis methods in the theory of the kinetic transport equation
14.40-15.10	Tomoya Kato	The Cauchy problem for the generalized Zakharov-Kuznetsov equation in modulation
15.35-16.05	Piero D'Ancona	On the nonlinear Dirac equation with an electromagnetic potential
16.10-16.40	Annunziata Loiudice	Optimal decay of Sobolev extremals on stratified Lie groups and applications
16.45-17.15	Ratnakumar P.K	A Hardy-Sobolev inequality for the magnetic Laplacian
17.20-17.50	Nurgissa Yessirkegenov	Hardy inequalities for Baouendi-Grushin operator with Aharonov-Bohm type
17.55-18.25	Mohamad K. El-Daou	Approximation of autonomous equations by a fitted spectral method
We. 16/8	K1211	
09.20-09.50	David Rottensteiner	Orthonormal bases in the orbits of square-integrable representations of nilpotent Lie groups
09.55-10.25	Ville Turunen	Quantizations and time-frequency transforms
10.50-11.20	Semyon Yakubovich	New classes of the index transforms and higher order PDEs
11.25-11.55	Elmira Abdyltaeva	On the solvability of the tracking problem with nonlinearly distributed control for the oscillation process
12.00-12.30	Akylbek Kerimbekov	A new conditions for the solvability of the nonlinear Fredholm integral equation
12.35-13.05	Erkeaim Seidakmat Kyzy	On the solvability of the tracking problem under nonlinear boundary control of the thermal processes described by Volterra integro-differential equations
Th. 17/8	K1211 With igpde	<i>The session is dedicated to honour the memory of Prof. Mikhail Semyonovich Agranovich.</i>
14.05-14.35	Commemoration speeches	
14.40-15.10	Pedro T. P. Lopes	Spectral invariance of Pseudo-differential boundary value problems with conical singularities
15.35-16.05	Michael Ruzhansky	Pseudo-difference operators
16.10-16.40	Niyaz Tokmagambetov	Nonharmonic analysis and its applications
16.45-17.15	Mitsuru Sugimoto	Spectral comparison of smoothing estimates
17.20-17.50	Durvudkhan Suragan	Elements of potential theory on Carnot groups
Fr. 18/8	K1211	
14.25-14.55	Igor Trushin	On stability of inverse scattering problem on a sun-type graph
15.00-15.30	Dauren B. Bazarkhanov	On $L^p - L^q$ boundedness of pseudodifferential operators with rough symbols
15.35-16.05	Jens Wirth	Non-commutative Fourier multipliers, differential operators and calculus

Nonlinear PDE (nlpde)

Time	Name/Room	Title of the talk
Mo. 14/8		
14.40-15.10 15.15-15.45 16.10-16.40 16.45-17.15 17.20-17.50		
Tu. 15/8	K1082	
14.05-14.35	Michael Dreher	Incompressible limits for generalisations to symmetrisable systems Part I: small data scattering
14.40-15.10	Kazumasa Fujiwara	Higher order fractional Leibniz rule
15.35-16.05	Tokio Matsuyama	Local energy decay estimates for wave equation on exterior domains
16.10-16.40	Lysianne Hari	Scattering for nonlinear Klein-Gordon equations on product spaces
16.45-17.15	Luigi Forcella	Scattering for nonlinear Klein-Gordon equations on product spaces. Part II: large data scattering
17.20-17.50	Koichi Taniguchi	Bilinear estimates in Besov spaces generated by the Dirichlet Laplacian
17.55-18.25	Masahiro Ikeda	Global dynamics below the ground state for the focusing semilinear Schrödinger equation with a linear potential
We. 16/8	K1081 With igpde2	
09.20-09.50	Kiyoshi Mochizuki	Smoothing properties and scattering for magnetic Klein-Gordon equations in exterior domain with time dependent perturbations
09.55-10.25	Sandra Lucente	Focusing nonlinear Klein Gordon equation with potential
10.50-11.20	Makoto Nakamura	The regularity of the semilinear term on the Cauchy problem for the Schrödinger equation
11.25-11.55	Israel M. Sigal	Partial differential equations of quantum physics
12.00-12.30	Marcello D'Abbico	Critical exponents for two semilinear evolution equations with structural damping
12.35-13.05	Hiroyuki Takamura	Blow-up for semilinear damped wave equations with super-Fujita exponent
Th. 17/8	K1082	
14.05-14.35	Tacksun Jung	Elliptic system with singular nonlinearity
14.40-15.10	Nabile Boussaid	Spectral stability of small amplitude solitary waves of the Dirac equation with the Soler-type nonlinearity
15.35-16.05	Shinya Kinoshita	Well-posedness for the Cauchy problem of the Klein-Gordon-Zakharov system in $2D$ and $3D$
16.10-16.40	Fatma G. Düzgün	Three nontrivial solutions for a nonlinear fractional Laplacian problem
16.45-17.15	Rim Nasfi	Mixing and limit theorems for a damped nonlinear wave equation with space-time localised noise
17.20-17.50	Q-Heung Choi	A class of the elliptic systems with even functionals
Fr. 18/8		
14.25-14.55 15.00-15.30 15.35-16.05		

P-adic analysis (paan)

Time	Name/Room	Title of the talk
Mo. 14/8		
14.40-15.10 15.15-15.45 16.10-16.40 16.45-17.15 17.20-17.50		
Tu. 15/8	K1051	
14.05-14.35	Andrei Khrennikov	Applications of p -adic and ultrametric diffusion to model flows in capillary networks in porous media
14.40-15.10	Anatoly Kochubei	p -Adic analogue of the porous medium equation
15.35-16.05	Nicolas Mainetti	Spectrum of ultrametric Banach algebras of bounded derivable functions
16.10-16.40	Karl-Olof Lindahl	Linearization disks and geometric location of periodic points in p -adic and complex dynamics
16.45-17.15 17.20-17.50		
We. 16/8	K1050	
09.20-09.50	Oleksandra Antoniuk	p -Adic Model of fluid in the porous medium
09.55-10.25	Alain Escassut	Nevanlinna Theory outside of a hole
10.50-11.30	Khodr Shamseddine	On the Levi-Civita Fields: Introduction and survey of recent research
11.35-12.05	Ekaterina Yurova-Axelson	On the bijective embedding of p -adic integers in the Cartesian product of p copies of the sets of 2-adic integers
12.00-12.30 12.35-13.05		
Th. 17/8		
14.05-14.35 14.40-15.10 15.35-16.05 16.10-16.40 16.45-17.15 17.20-17.50		
Fr. 18/8		
14.25-14.55 15.00-15.30 15.35-16.05		

Special interest group: IGPDO Pseudo-differential operators (igpdo)

Time	Name/Room	Title of the talk
Mo. 14/8	K1212	
14.40-15.10	Shahla Molahajloo	Pseudo-differential operators, Wigner transforms and Weyl transforms on the Poincaré unit disk
15.15-15.45	Lorenzo Galleani	Time-frequency structure of the Greens function
16.10-16.40	Jon Johnsen	Unified theory of the wavelet transformation of Frazier and Jawerth
16.45-17.15	Christine Pfeuffer	Spectral invariance of nonsmooth pseudo-differential operators
17.20-17.50	Open slot	
Tu. 15/8	K1212	
14.05-14.35	Leon Cohen	Operator transformation of probability densities
14.40-15.10	Majid J. Birgani	The heat kernel and trace class pseudo-differential operators on \mathbb{R}^n
15.35-16.05	M.B. Ghaemi	Characterizations of nuclear pseudo-differential operators on \mathbb{S}^1
16.10-16.40	Viorel Catana	Pseudo-differential operators on \mathbb{Z} related to a finite measure space
16.45-17.15	Open slot	
17.20-17.50	Open slot	
We. 16/8	Wicksell With iggf	
09.20-09.50	Gianluca Garello	Generalized microlocal elliptic pseudodifferential operators acting on $L^p_{\text{loc}}(\Omega)$
09.55-10.25	Sandro Coriasco	Solutions of a class of nonlinear stochastic equations on \mathbb{R}^n : A microlocal approach
10.50-11.20	Mikael Signahl	Factorizations and singular value estimates of operators with Gelfand-Shilov and Pilipovic kernels
11.25-11.55	Bojan Prangoski	Weyl asymptotic formulas for infinite order Ψ DOs and Sobolev type spaces. Part I: hypoellipticity, semi-boundedness, the heat kernel
12.00-12.30	Stevan Pilipovic	Weyl asymptotic formulas for infinite order Ψ DOs and Sobolev type spaces. Part II: Heat kernel analysis; Infinite order Sobolev type spaces
12.35-13.05	James Vickers	Solutions, Bi-solutions and Greens Operators for non-smooth wave equations
Th. 17/8	K1211 With igpde1	<i>The session is dedicated to honour the memory of Prof. Mikhail Semyonovich Agranovich.</i>
14.05-14.35	Commemoration speeches	
14.40-15.10	Pedro T. P. Lopes	Spectral invariance of Pseudo-differential boundary value problems with conical singularities
15.35-16.05	Michael Ruzhansky	Pseudo-difference operators
16.10-16.40	Niyaz Tokmagambetov	Nonharmonic analysis and its applications
16.45-17.15	Mitsuru Sugimoto	Spectral comparison of smoothing estimates
17.20-17.50	Durvudkhan Suragan	Elements of potential theory on Carnot groups
17.55-18.25	Dauren B. Bazarkhanov	On $L^p - -L^q$ boundedness of pseudodifferential operators with rough symbols
Fr. 18/8		
14.25-14.55		
15.00-15.30		
15.35-16.05		

Special interest group: IGCQA Quaternionic and clifford analysis (igcqa)

Time	Name/Room	Title of the talk
Mo. 14/8	K1046	
14.40-15.10	Fabrizio Colombo	Generalizations of the H^∞ -functional calculus and applications to fractional diffusion processes
15.15-15.45	Tim Raeymakers	Higher spin Laplace operator in several vector variables
16.10-16.40	Aurineide Fonseca	Dirac operators for $SU(n)$ symmetries
16.45-17.15	Ali G. Adan	Spin actions in Euclidean and Hermitian Clifford analysis on superspace
17.20-17.50	Tim Janssens	On a higher spin generalisation of the Fueter theorem
Tu. 15/8	K1046	
14.05-14.35	Paula Cerejeiras	Riemann-Hilbert problems for discrete monogenic functions
14.40-15.10	Franciscus Sommen	Differential forms in Clifford superanalysis
15.35-16.05	Yuri Grigorev	On regular extension of quaternion functions
16.10-16.40	Bingchan Guo	A nonlinear boundary Value problem with a shift for generalized hypermonogenic function in Clifford analysis
16.45-17.15	Mihaela B. Vajiac	Bernstein type inequalities for multicomplex polynomials
17.20-17.50	Maria E. Luna-Elizarraras	On some properties of bicomplex modules endowed with a hyperbolic-valued norm
We. 16/8	K1046	
09.20-09.50	Swanhild Bernstein	A Quadratic Fourier Transform in Clifford Analysis
09.55-10.25	Narciso Gomes	Reconstruction of quaternionic signals with sparsity constrains
10.50-11.20	Adrian Vajiac	Gleason's problem associated to a ternary algebra
11.25-11.55	Irene Sabadini	On the relations between monogenic and slice monogenic functions
12.00-12.30	Cinzia Bisi	Landau's theorem for slice regular functions on the quaternionic unit ball
12.35-13.05	Yuying Qiao	Some results of integral equations in real Clifford analysis
Th. 17/8	K1046	
14.05-14.35	Heikki Orelma	Hypermonogenic solutions and plane waves of the Dirac operator in $\mathbb{R}^p \times \mathbb{R}^q$
14.40-15.10	Uwe Kähler	Interpolation in Clifford-Krein modules
15.35-16.05	Tao Qian	The unwinding Fourier decomposition method and related algorithms
16.10-16.40	Open slot	
16.45-17.15	Open slot	
17.20-17.50	Open slot	
Fr. 18/8		
14.25-14.55		
15.00-15.30		
15.35-16.05		

Special interest group: IGPDE Recent progress in evolution equations (igpde2)

Time	Name/Room	Title of the talk
Mo. 14/8	K1081	
14.40-15.10	Fumihiko Hirose	On the well-posedness for second order hyperbolic equations with time dependent oscillating coefficients
15.15-15.45	Daniele Del Santo	Backward parabolic equations with non Lipschitz coefficients
16.10-16.40	Shuji Yoshikawa	Asymptotic profiles of solutions for the linearized damped extensible beam equation with variable coefficients
16.45-17.15	Yuta Wakasugi	Asymptotic behavior of solutions to the wave equation with space-dependent damping
17.20-17.50	Jana Björn	The Dirichlet problem and boundary regularity for nonlinear parabolic equations
17.55-18.25	Abdelhamid M. Djaouti	Semi-Linear Systems of Weakly Coupled Damped Waves
Tu. 15/8	K1081	
14.05-14.35	Massimo Gobbino	Quantization of energy and weak turbulence for some second order evolution equations with nonlinear damping
14.40-15.10	Marina Ghisi	Exact decay rate of solutions to second order evolution equations
15.35-16.05	Massimo Cicognani	Well-posedness for Schrödinger operators with time dependent Hamiltonian
16.10-16.40	Tiago H. Picon	$L^p - -L^q$ decay estimates for the linear fractional diffusive equation
16.45-17.15	Daniel Lorenz	A generalized Levi condition for weakly hyperbolic Cauchy problems with coefficients low-regular in time
17.20-17.50	Jorge Marques	Gevrey well posedness of the generalized Goursat-Darboux problem for linear PDEs with constant coefficients
We. 16/8	K1081 With nlpde	
09.20-09.50	Kiyoshi Mochizuki	Smoothing properties and scattering for magnetic Klein-Gordon equations in exterior domain with time dependent perturbations
09.55-10.25	Sandra Lucente	Focusing nonlinear Klein Gordon equation with potential
10.50-11.20	Makoto Nakamura	The regularity of the semilinear term on the Cauchy problem for the Schrödinger equation
11.25-11.55	Israel M. Sigal	Partial differential equations of quantum physics
12.00-12.30	Marcello D'Abicco	Critical exponents for two semilinear evolution equations with structural damping
12.35-13.05	Hiroyuki Takamura	Blow-up for semilinear damped wave equations with super-Fujita exponent
Th. 17/8	K1081	
14.05-14.35	Vladimir Georgiev	On the classification of the spectrally stable standing waves of the Hartree problem
14.40-15.10	Akisato Kubo	Nonlinear evolution equations and its applications to chemotaxis models
15.35-16.05	Marcelo Rempel Ebert	Theory of wave models with integrable and decaying in time speed of propagation
16.10-16.40	Michael Reissig	Regularity theory and global existence of small data solutions to semi-linear de Sitter models with power non-linearity
16.45-17.15	Hiroshi Takeda	Large time behavior of solutions to strong damped wave equations
17.20-17.50	Wanderley N. do Nascimento	A classification for wave models with time-dependent mass and speed of propagation
17.55-18.25	Alessandro Palmieri	Fractional chain rule and application to a semi-linear scale-invariant wave equation with damping and mass
Fr. 18/8	K1081	
14.25-14.55	Anahit Galstyan	Finite lifespan of solutions of the semilinear wave equation in the Einstein-de Sitter spacetime
15.00-15.30	Andrei Faminskii	On the two-dimensional Zakharov-Kuznetsov equation
15.35-16.05	Karen Yagdjian	Integral transform approach to the Klein-Gordon equation of quantum field theory in curved spacetime

Special interest group: IGGF Special session on generalized functions and applications (iggf)

Subsession 1:

Time	Name/Room	Title of the talk
Mo. 14/8	Wicksell	
14.40-15.10	M. Oberguggenberger	Stochastic Fourier integral operators in linear elasticity
15.15-15.45	Sanja Konjik	Distributed order fractional constitutive stress-strain relation in a model of the wave equation
16.10-16.40	Nenad Antonic	Abstract Friedrichs systems and universal operator extension
16.45-17.15	Marin Misur	Anisotropic distributions and applications
17.20-17.50	Georgy Omel'yanov	Soliton dynamics for the Degasperis-Procesi equation
Tu. 15/8	Wicksell	
14.05-14.35	Paolo Giordano	A Picard-Lindelöf theorem for singular nonlinear PDE
14.40-15.10	Jasson Vindas	New developments in the non-linear theory of generalized functions: optimal embeddings of ultradistributions and hyperfunctions
15.35-16.05	Irina V. Melnikova	Modeling of generalized stochastic problems
16.10-16.40	Milica Zigic	Stochastic evolution equations with Wick-square nonlinearity
16.45-17.15	Daniel Velinov	Degenerate C-distribution semigroups and C-(ultra)distribution cosine functions in locally convex spaces
17.20-17.50	Lenny Neyt	The uniform moment asymptotic expansion (no abstract)
We. 16/8	Wicksell With igpdo	
09.20-09.50	Gianluca Garello	Generalized microlocal elliptic pseudodifferential operators acting on $L^p_{loc}(\Omega)$
09.55-10.25	Sandro Coriasco	Solutions of a class of nonlinear stochastic equations on \mathbb{R}^n : A microlocal approach
10.50-11.20	Mikael Signahl	Factorizations and singular value estimates of operators with Gelfand-Shilov and Pilipovic kernels
11.25-11.55	Bojan Prangoski	Weyl asymptotic formulas for infinite order Ψ DOs and Sobolev type spaces. Part I: hypoellipticity, semi-boundedness, the heat kernel
12.00-12.30	Stevan Pilipovic	Weyl asymptotic formulas for infinite order Ψ DOs and Sobolev type spaces. Part II: Heat kernel analysis; Infinite order Sobolev type spaces
12.35-13.05	James Vickers	Solutions, Bi-solutions and Greens Operators for non-smooth wave equations
Th. 17/8	Wicksell	
14.05-14.35	Min-Jun Choi	Fujita type blow-up for discrete reaction-diffusion equations on networks
14.40-15.10	Günther Hörmann	Generalized functions and electromagnetic fields
15.35-16.05	Todor D. Todorov	A Diffeomorphism Invariant Algebra of Generalized Functions
16.10-16.40		
16.45-17.15		
17.20-17.50		
Fr. 18/8		
14.25-14.55		
15.00-15.30		
15.35-16.05		

Special interest group: IGGF Special session on generalized functions and applications (iggf)

Subsession 2:

Time	Name/Room	Title of the talk
Mo. 14/8	K1043/Wicksell	
14.40-15.10	<u>Michael Oberguggenberger</u>	Stochastic Fourier integral operators in linear elasticity
15.15-15.45	Sanja Atanasova	Directional short-time Fourier transform and directional regularity
16.10-16.40	Diana Stoeva	Frame expansions of tempered distributions and ultradistributions
16.45-17.15	Gregory Debruyne	Recent results on the Fatou-Riesz Tauberian theorem
17.20-17.50		
Tu. 15/8	K1043/Wicksell	
14.05-14.35	<u>Paolo Giordano</u>	A Picard-Lindelöf theorem for singular nonlinear PDE
14.40-15.10	<u>Jasson Vindas</u>	New developments in the non-linear theory of generalized functions: optimal embeddings of ultradistributions and hyperfunctions
15.35-16.05	Chikh Bouzar	Microlocal regularity of linear partial differential operators with generalized coefficients
16.10-16.40	Eduard A. Nigsch	Colombeau algebras without asymptotics
16.45-17.15	Tijana Levajkovic	Optimal control problems in algebras of generalized functions
17.20-17.50	Michael Kunzinger	Inverse Function Theorems for Generalized Smooth Functions
We. 16/8	Wicksell With igpdo	
09.20-09.50	Gianluca Garello	Generalized microlocal elliptic pseudodifferential operators acting on $L^p_{loc}(\Omega)$
09.55-10.25	Sandro Coriasco	Solutions of a class of nonlinear stochastic equations on \mathbb{R}^n : A microlocal approach
10.50-11.20	Mikael Signahl	Factorizations and singular value estimates of operators with Gelfand-Shilov and Pilipovic kernels
11.25-11.55	Bojan Prangoski	Weyl asymptotic formulas for infinite order Ψ DOs and Sobolev type spaces. Part I: hypoellipticity, semi-boundedness, the heat kernel
12.00-12.30	Stevan Pilipovic	Weyl asymptotic formulas for infinite order Ψ DOs and Sobolev type spaces. Part II: Heat kernel analysis; Infinite order Sobolev type spaces
12.35-13.05	James Vickers	Solutions, Bi-solutions and Greens Operators for non-smooth wave equations
Th. 17/8	K1043	
14.05-14.35	Dorde Vuckovic	Toroidal pseudodifferential operators in spaces of ultradistributions on \mathbb{T}^n
14.40-15.10	Andreas Debrouwere	Convolutors in spaces of tempered ultradistributions
15.35-16.05	Svetlana Mincheva-Kaminska	On integrability and convolvability of ultradistributions of Roumieu type via approximate units
16.10-16.40	Andrzej Kaminski	On the convolution of ultradistributions of Beurling and Roumieu type with spiral supports
16.45-17.15	Open slot	
17.20-17.50	Open slot	
Fr. 18/8		
14.25-14.55		
15.00-15.30		
15.35-16.05		

Theory and applications of boundary domain integral and pseudodifferential operators (tabdip)

Time	Name/Room	Title of the talk
Mo. 14/8		
14.40-15.10 15.15-15.45 16.10-16.40 16.45-17.15 17.20-17.50		
Tu. 15/8	K1213	
14.05-14.35	David Natroshvili	Boundary-domain integral equations for scalar quasilinear elliptic problems
14.40-15.10	Mirela Kohr	Boundary-domain integral equations for variable coefficient Brinkman systems on Lipschitz domains
15.35-16.05	Tsegaye Ayele	Analysis of boundary-domain integral equations for variable-Coefficients mixed BVPs in $2D$
16.10-16.40	Tamirat T. Dufera	Analysis of boundary-domain Integral equations for variable coefficient Dirichlet BVP in $2D$ Unbounded Domain
16.45-17.15	B. Tomas Johansson	An integral equation approach for numerical solution of elliptic equations with spacewise dependent coefficients
17.20-17.50		
We. 16/8	K1213	
09.20-09.50	Sergey Mikhailov	Integral potential operators for Brinkman PDE system with nonsmooth coefficients in exterior domain
09.55-10.25	Otar Chkadua	Mixed and crack type dynamical problems of the thermopiezoelectricity theory without energy dissipation
10.50-11.20	Angelica Malaspina	On indirect boundary integral equations methods and applications
11.25-11.55	Vladimir Kozlov	Hadamard formula for eigenvalues of the Dirichlet problem for elliptic operators on C^1 -domains
12.00-12.30	Vladimir Vasilyev	Pseudo-differential equations, boundary value problems and conical potentials
12.35-13.05	Open slot	
Th. 17/8	K1213	
14.05-14.35	Open slot	
14.40-15.10	Open slot	
15.35-16.05		
16.10-16.40		
16.45-17.15		
17.20-17.50		
Fr. 18/8		
14.25-14.55		
15.00-15.30		
15.35-16.05		

Wavelet theory and its related topic (wtrt)

Time	Name/Room	Title of the talk
Mo. 14/8		
14.40-15.10 15.15-15.45 16.10-16.40 16.45-17.15 17.20-17.50		
Tu. 15/8	Weber	
14.05-14.35 14.40-15.10 15.35-16.05 16.10-16.40 16.45-17.15 17.20-17.50	Keiko Fujita Kensuke Fujinoki Akira Morimoto Nobuko, Ikawa Yoshihiro Aihara	Gabor transformation on the sphere and its related topic A two-dimensional lapped directional wavelet transform with directional lifting Detection of rotation angles on image separation problem Application of complex continuous wavelet analysis to auditory evoked brain responses Unicity Theorems and the Set of Deficient Divisors of Holomorphic Curves
We. 16/8		
09.20-09.50 09.55-10.25 10.50-11.20 11.25-11.55 12.00-12.30 12.35-13.05		
Th. 17/8		
14.05-14.35 14.40-15.10 15.35-16.05 16.10-16.40 16.45-17.15 17.20-17.50		
Fr. 18/8		
14.25-14.55 15.00-15.30 15.35-16.05		

Contributed talks (open session) (cos)

Time	Name/Room	Title of the talk
Mo. 14/8		
14.40-15.10 15.15-15.45 16.10-16.40 16.45-17.15 17.20-17.50		
Tu. 15/8	K2054	
14.05-14.35 14.40-15.10 15.35-16.05 16.10-16.40 16.45-17.15 17.20-17.50	Sefa Anil Sezer	Tauberian theorems for statistical convergence and logarithmic statistical summability
We. 16/8	K2054	
09.20-09.50 09.55-10.25 10.50-11.20 11.25-11.55 12.00-12.30 12.35-13.05	Serkan Aslyüce Ibrahim Canak Roger Pettersson Arpan Ghosh	Fractional analogues of some inequalities Tauberian conditions under which convergence follows from its summability by the logarithmic power series method Yosida approximations for semilinear backward stochastic differential equation in infinite dimensions A one dimensional asymptotic model of blood flow through a curved, elastic blood vessel
Th. 17/8	K2054	
14.05-14.35 14.40-15.10 15.35-16.05 16.10-16.40 16.45-17.15 17.20-17.50	Ahmad Jafarian Ali Mansouri Salah-Eddine Rebiai	Fractional order integro-differential equations solution by artificial neural networks approach A k-dimensional system of Langevin Hadamard-type fractional differential inclusions with $2k$ different fractional orders Uniform boundary stabilization of the wave equation with a nonlinear delay term in the boundary conditions
Fr. 18/8		
14.25-14.55 15.00-15.30 15.35-16.05		