

Analysis, Topology and Applications 2022

CONFERENCE AGENDA

29th June		
Time	Place	Event
14:00 – 16:30	Hotel Fontana	Registration of conference participants
17:00 – 18:00	Gymnasium Hall	Opening ceremony*
19:00 – 20:30	Hotel Fontana	Welcome party

* The following persons will address to the conference participants:

1. Boban Đurović, President of the Municipality of Vrnjačka Banja
2. Danijela Milošević, Dean of the Faculty of Technical Sciences in Čačak
3. Nenad Filipović, Rector of the University of Kragujevac
4. Nebojša Randelović, State secretary in the Ministry of Education, Science, and Technological Development of the Republic of Serbia.
5. Ljubiša Kočinac, on behalf of the Scientific Committee ATA2022
6. Miloljub Albijanić, on behalf of the Organizing Committee ATA2022
7. Miodrag Mateljević, academician of Serbian Academy Of Sciences And Arts

1st July		
Time	Place	Event
15:00 – 19:00	The excursion bus will be parked in front of the hotel Fontana at 3 p.m.	Excursion: Visit to the monastery Žiča
From 20:00	Restaurant Istra	Conference Dinner

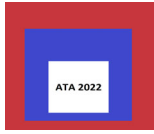


Analysis, Topology and Applications 2022

Session: Applications

Place: Gymnasium Hall - Room 1

30th June	
Chairman: Predrag Stanimirović	
Time	Oral presentation
9:00 – 9:30	Predrag Rajković - Almost multi-diagonal determinants
9:30 – 10:00	Coffee break
10:00 – 10:30	Predrag Stanimirović - Conditions for existence, representations, and computation of generalized inverses
10:30 – 11:00	Sladana Marinković - Analogs of the exponential function in the various types of calculus
11:00 – 11:30	Sakar Müge - Polynomial Bounds of Bi-Starlike Functions Involving Sigmoid Function
11:30 – 12:00	Coffee break
12:00 – 12:30	Milovanović Miloš - An intensional probability theory
12:30 – 13:00	Aleksandar Šebeković - Pseudo-symmetries of generalised Wintgen ideal submanifolds
13:00 – 13:30	Miljan Milošević - Mathematics of the Future: Understanding and Application of Mathematics with the Help of Technology
1st July	
Chairmans: Dragan Pamučar and Mališa Žižović	
Time	Oral presentation
8:00 – 8:30	Dragan Pamučar - Level Based Weight Assessment (LBWA) Model for Determining Criteria Weights
8:30 – 9:00	Mališa Žižović - Method of multicriteria analysis with super dominant criterion
9:00 – 9:30	Mališa Žižović - Weights of criteria and mean values of multiplicative method
9:30 – 10:00	Coffee break
10:00 – 10:30	Darko Božanić - DIBR - fuzzy MARCOS model for flood risk assessment

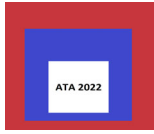


Analysis, Topology and Applications 2022

Session: Topology

Place: Gymnasium Hall - Room 2

30th June	
Chairman: Aleksadr Osipov	
Time	Oral presentation
9:00 – 9:30	Sudip Kumar Acharyya – A characterization of p-spaces X via generalized u-topology, m-topology on $C(X)$.
9:30 – 10:00	Tomi Dimovski - Fixed point theorem for mappings satisfying cyclical contractive conditions in $(3,2)$ -W-metrizable spaces
10:00 – 10:30	Coffee break
10:30 – 11:00	Bekbolot Kanetov - About Uniformly Menger Space
11:00 – 11:30	Dinara Kanetova - Index of sequential completeness of uniform spaces and uniformly continuous mappings
11:30 – 13:00	Coffee break
13:00 – 13:30	Miljan Milošević - Mathematics of the Future: Understanding and Application of Mathematics with the Help of Technology
Chairman: Sudip Kumar Acharyya	
Time	Oral presentation
15:00 – 15:30	Aleksandr Osipov - Baire property of function spaces
15:30 – 16:00	Ljubisa Kočinac - Some properties of the space of G-permutation degree
16:00 – 16:30	Coffee break
16:30 – 17:00	Milan Matejdes - Topology and soft topology
1st July	
Chairman: Lubica Hola	
Time	Oral presentation
9:00 – 9:30	Nikita Shekutkovski - Inclusion of a global attractor is a strong shape equivalence
9:30 – 10:00	Branislav Novotny - Spaces of Minimal Usco and Minimal Cusco Maps as Fréchet Topological Vector Spaces
10:00 – 10:30	Coffee break
10:30 – 11:00	Abdulla Buklla - On the limits of the proximate sequences
11:00 – 11:30	Zoran Misajleski - Chain connectedness-a homotopy and shape invariant
11:30 – 12:00	Sadi Bayramov - A study on separation axioms in bipolar soft topological spaces

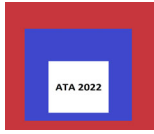


Analysis, Topology and Applications 2022

Session: Analysis

Place: Gymnasium Hall - Room 3

30 th June	
Chairman: Miodrag Mateljević	
Time	Oral presentation
8:00 – 8:30	Jelena Milošević - Strongly monotone solutions of systems of nonlinear differential equations with rapidly varying coefficients
8:30 – 9:00	Aleksandra Kapešić - Intermediate solutions of cyclic systems of second-order difference equations
9:00 – 9:30	Jelena Manojlović - Asymptotic analysis of regularly varying solutions of second-order half - linear differential equations
9:30 – 10:00	Katarina Djordjević - Existence and asymptotic behavior of q-Karamata solutions of the half - linear second-order q-difference equation
10:00 – 10:30	Coffee break
10:30 – 11:00	Djamila Seba - Nonlocal Integral boundary value problem of fractional differential equations
11:00 – 11:30	Alexander Veretennikov - On probability approach to a Poisson equation with an ergodic generator in the whole space
11:30 – 12:00	Nicoletta Saulig - Vertical time: sound and vision
12:00 – 12:30	Michael Ruzhansky - Subelliptic pseudo-differential calculus on compact Lie groups (via ZOOM)
12:30 – 13:00	Coffee break
13:00 – 13:30	Miljan Milošević - Mathematics of the Future: Understanding and Application of Mathematics with the Help of Technology
Chairman: Jelena Manojlović	
Time	Oral presentation
15:00 – 15:30	Miloš Arsenović - On the boundary behavior at a point of the gradient of harmonic functions in the upper half
15:30 – 16:00	Miodrag Mateljević - Boundary behaviour of partial derivatives for solutions to PDE an certain Laplacian-gradient inequalities
16:00 – 16:30	Jelena Gajić - Harmonic and M-harmonic functions in the unit polydisc
16:30 – 17:00	Marek Svetlik - Generalizations of the Schwarz lemma for harmonic mappings
17:00 – 17:30	Coffee break
17:30 – 18:00	Nikola Mutavdžić - On Lipschitz continuity and smoothness up to the boundary of solutions of hyperbolic Poisson's equation
18:00 – 18:30	Ivana Savković - Bounded Bergman projections and duality in weighted mixed norm spaces
18:30 – 19:00	Ljubenović Martin - Submajorization and weak majorization on $lp(I)^+$ defined by doubly substochastic operators
19:00 – 19:30	Aydogan Melike - Some Results on Quasi-Convex Multivalent Functions



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19:30 – 20:00	Coffee will be served after the closing the session for 30 th June
1st July	
Chairman: Dragan Đorđević and Ivana Djolović	
Time	Oral presentation
8:00 – 8:30	Ivana Djolović - One More Applications of Matrix Domains of Triangles
8:30 – 9:00	Dragan Djordjević - Homomorphisms on Banach modules
9:00 – 9:30	Dragan Rakić - The core inverse in rings with involution
9:30 – 10:00	Coffee break
10:00 – 10:30	Teodora Trifunović - Neutral stochastic differential equations with state-dependent delay
10:30 – 11:00	Dušan Djordjević - An analytical method for the approximation of solutions of neutral stochastic differential equations based on the Taylor expansion
11:00 – 11:30	Marija Krstić - A stochastic model of the human immune system response to the COVID-19
11:30 – 12:00	Miloš Cvetković - Homomorphism ranges and Drazin invertibility
2nd July	
Chairman: Aleksandar Šebeković	
Time	Oral presentation
8:00 – 8:30	Suzana M. Aleksić - Characterization of frames and Riesz families for shift-invariant subspaces of Sobolev space
8:30 – 9:00	Petrović Nevena - Averaged Gaussian quadrature rule for trigonometric polynomials
9:00 – 9:30	Danica Fatić - Index function operator for O regularly varying function
10:00 – 10:30	Coffee break
10:30 – 11:00	Rale Nikolić – Fixed Point Theorems in Menger PM-spaces
11:00 – 11:30	Marija Cvetković - Relations between F-contraction, Boyd-Wong contraction and Matkowski contraction
11:30 – 12:00	Darko Koccev - Generalizations of Ćirić quasi-contractions via wt-distance
12:00 – 12:30	Mohd Furkan - Common solution of variational inclusion problem, split variational inequality problem and fixed point problem for a nonexpansive semigroup