

ALGEBRA and  
ANALYSIS with  
APPLICATION  
■  
international  
conference

REPUBLIC OF MACEDONIA  
Sojuz na istrazhuvachi na Makedonija - SIM Skopje



**International Conference**  
**ALGEBRA AND ANALYSIS WITH APPLICATION**  
**July, 1-4 2018**  
**Ohrid, Republic of Macedonia**

**PROGRAMME**

**Sunday, 1 July 2018**

<b>18:00 – 19:00</b>	<b>REGISTRATION FOR THE CONFERENCE</b>
<b>21:00-23:00</b>	<b>WELCOME PARTY (UCC)</b>

**Monday, 2 July 2018**

<b>09.30-09.40</b>	<b>OPENING CEREMONY</b>
	<b>INVITED SPEAKERS</b>
<b>09:40– 10:25</b>	<b>Risto ATANASOV</b> <b>POWERFUL <math>p</math>-GROUPS: COVERS AND NILPOTENCY CLASS</b>
<b>10:25– 11:10</b>	<b>Julije JAKŠETIĆ</b> <b>APPLICATIONS OF EXPONENTIAL CONVEXITY TO STATISTICS</b> <b>AND SPECIAL FUNCTIONS</b>
11:10 – 11:40	Coffee break
<b>11:40 – 13:00</b>	<b>SHORT COMMUNICATIONS</b>
11:40 - 12:00	Violeta VASILEVSKA FREE PRODUCTS OF SPECIAL HOPFIAN GROUPS
12:00 – 12:20	Alexander PETCHUKOV NEURAL NETWORKS ON UNRELIABLE DATA
12:20– 12:40	Ana VUKELIĆ GENERALIZATION OF POPOVICIU TYPE INEQUALITIES VIA FINK'S IDENTITY
12:40 – 13:00	Mario KRNIĆ A UNIFIED TREATMENT OF HILBERT-PACHPATTE-TYPE INEQUALITIES FOR A CLASS OF NON-HOMOGENEOUS KERNELS
13:00 – 15:00	Lunch break
	<b>INVITED SPEAKERS</b>
<b>15:00 – 15:45</b>	<b>Marjan PRALJAK</b> <b>WEIGHTED AVERAGES OF HIGHER ORDER CONVEX FUNCTIONS AND</b> <b>RELATED INEQUALITIES</b>
<b>15:45 – 16:25</b>	<b>SHORT COMMUNICATIONS</b>
15:45 - 16:05	Milena ALEKSIĆ AN INTEGER-VALUED AUTOREGRESSIVE MODEL WITH DIFFERENT STATES AND A STRUCTURAL BREAK
16:05 – 16:25	Aleksandar NASTIĆ ON RANDOM ENVIRONMENT INAR MODELS OF HIGHER AND VARIABLE ORDER
<b>17:00-19.30</b>	<b>EXCURSION (starting point UCC)</b>

**Tuesday, 3 July 2018**

	<b>INVITED SPEAKERS</b>
<b>09:30- 10:15</b>	<b>Gregory MAKRIDES</b> <b>THE EVOLUTION OF EDUCATION FROM EDUCATION 1.0 TO EDUCATION 4.0</b>
<b>10:15 - 11:00</b>	<b>Beti ANDONOVIC</b> <b>NEW APPROACH TO STUDENTS FOR EFFECTIVENESS AND EFFICIENCY IN MATH EDUCATION</b>
11:00 - 11:30	Coffee break
<b>11:30 - 13:10</b>	<b>SHORT COMMUNICATIONS</b>
11:30 - 11:50	Biljana JOLEVSKA_TUNESKA MathDEBATE TEACHING METHOD
11:50 - 12:10	Miodrag DJORDJEVIĆ APPLICATION OF MODEL WITH DISCRETE LAPLACE MARGINAL DISTRIBUTION
12:10- 12:30	Dragana GARDAŠEVIĆ GERŠGORIN-TYPE LOCALIZATION SETS OF SOME POLYNOMIAL EIGENVALUE PROBLEMS
12:30 - 12:50	Tillay YILDIRIM EVERSIBILITY WITH RESPECT TO AN IDEAL
12:50-13:10	Cansu BETIN ONUR A GENERALIZATION OF INTERTIAL GROUPS

13:10 - 15:30	Lunch break
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	<b>INVITED SPEAKERS</b>
<b>15:30 - 16:15</b>	<b>Vladimir JAĆIMOVIĆ</b> <b>MEAN-FIELD RICCATI ODE'S ON COMPACT LIE GROUPS: SYNCHRONIZATION AND SWARMING</b>
<b>16:15- 17:25</b>	<b>SHORT COMMUNICATIONS</b>
16:15- 17:05	Nikola TUNESKI SOME CONNECTIONS BETWEEN GEOMETRIC FUNCTION THEORY AND COMPLEX DYNAMICS
17:05- 17:25	Djordjije VUJADINOVIĆ THE HARMONIC DIRICHLET-BESOV SPACE AND THE OPTIMAL NORM FOR THE BERGMAN PROJECTION
17:25 - 17:55	Coffee break

<b>17:55- 18:55</b>	<b>SHORT COMMUNICATIONS</b>
17:55- 18:15	Bogdan DJORDJEVIĆ SOME OPERATOR EQUATIONS AND ALGEBRAS GENERATED BY THEM
18:15 – 18:35	Dahmane ACHOUR STRONGLY $(P, Q, \sigma)$ SEQUENCES AND THEIR OPERATORS
18:35- 18:55	Petro KOSOBUTSKYY ON THE POSSIBILITY OF CONSTRUCTING A SET OF NUMBERS WITH GOLDEN SECTION PROPERTIES
<b>20.00</b>	<b>CONFERENCE DINNER (restoraunt Biljanini Izvori)</b>

### Wednesday, 4 July 2018

<b>09:30 – 11:30</b>	<b>SHORT COMMUNICATIONS</b>
09:30 - 09:50	Kastriot ZOTO FIXED POINT RESULTS VIA GENERALIZED CONTRACTIVE CONDITIONS IN B- METRIC-LIKE SPACES
09:50 – 10:10	Musa AJETI PRODUCTS IN AFFINE SPACE WITH TWO BASIC MANIFOLDS
10:10- 10:30	Halil Ibrahim SAHIN CALCULATION OF K-OUT-OF-N FUZZY RELIABILITY USING WEIBULL HAZARD FUNCTION
10:30- 10:50	Abdelhamid TALLAB CHARACTERIZATION OF SOME CLASSES OF SUMMING MULTILINEAR OPERATORS BY CALCULUS OF TRACED TENSOR NORMS
10:50- 11:10	Mustapha CHEGGAG ELLIPTIC PROBLEMS WITH GENERAL ROBIN BOUNDARY COEFFICIENT-OPERATOR IN GENERAL $L_p$ SPACES : NONCOMMUTATIVE FRAMEWORK
11:10- 11:30	Mezrag LAHCENE ON CERTAIN SUMMABILITIES IN NONLINEAR ANALYSIS
11:30 – 12:00	Coffee break
<b>12:00</b>	<b>CLOSING THE CONFERENCE</b>