

PROGRAMME

Thursday, 10 May 2018

09:00 – 09:20	REGISTRATION FOR THE WORKSHOP
09:20 – 09:30	OPENING CEREMONY (room 125)

INVITED SPEAKERS	
09:30 – 10:15	Virginia Kiryakova GENERALIZED FRACTIONAL CALCULUS OPERATORS OF RIEMANN-LIOUVILLE AND CAPUTO TYPE AND CAUCHY PROBLEMS
10:15 – 11:00	Sanja KONJIK FRACTIONAL MODELS OF WAVE PROPAGATION IN VISCOELASTIC MEDIA
11:00 – 11:30	Coffee break
11:30 – 12:15	Bojan PRANGOSKI CONVOLUTION IN QUASIANALYTIC CLASSES OF GELFAND-SHILOV TYPE
12:15 – 13:30	Lunch break
13:30 – 14:15	Sanja ATANASOVA STOCKWEL TRANSFORM
14:15 – 15:00	Pavel DIMOVSKI WAVE FRONT SETS WITH RESPECT TO BANACH SPACES UFULTRADISTRIBUTIONS. CHARACTERISATION VIA THE SHORT-TIME FOURIER TRANSFORM
15:00 – 15:30	Coffee break
15:30 - 17:00	SHORT COMMUNICATIONS
15:30 - 15:50	Jordanka PANOVA-KONEVSKA TWO CLASSES OF SPECIAL FUNCTIONS OF FRACTIONAL CALCULUS OF MITTAG-LEFFLER TYPE
15:50 – 16:10	Velimir ILIC GENERALIZED ENTROPIES BASED ON Q-FRACTIONAL CALCULUS
16:10– 16:30	Zineb ARAB ON A TIME DISCRETIZATION SCHEME FOR THE FRACTIONAL STOCHASTIC HEAT EQUATION
16:30 – 17:00	Limonka KOCEVA-LAZAROVA COMPOSITIONS INVOLVING DIRAC-DELTA AND HEAVISIDE FUNCTIONS
20:00	WORKSHOP DINNER (Restaurant LIRA)

Friday, 11 May 2018

INVITED LECTURE	
09:00-09.45	Miodrag MATELJEVIC INTERIOR ESTIMATE FOR ELLIPTIC PDE, QUASICONFORMAL AND HQC MAPPINGS BETWEEN LYAPUNOV JORDAN DOMAINS
09:45 - 10:30	Vladimir JACIMOVIC MEAN-FIELD RICCATI ODE'S ON COMPACT LIE GROUPS: SYNCHRONIZATION AND SWARMING
10:30 - 11:00	Coffee break
11:00-11.45	Daniel VELINOV DYNAMICAL PROPERTIES OF THE SOLUTIONS OF A CERTAIN FRACTIONAL DIFFERENTIAL EQUATIONS
11:45 -12:45	SHORT COMMUNICATIONS
11:45 - 12:05	Teuta ZENKU NEUTRIX CALCULUS AND Q-CALCULUS
12:05 - 12:25	Nikola TUNESKI FRACTIONAL DERIVATIVE APPLICATION IN GEOMETRIC FUNCTION THEORY
12:25- 12:45	Marija MITEVA COLOMBEAU PRODUCT OF DISTRIBUTIONS
12:45 - 14:30	Lunch break
14:30 -16:30	SHORT COMMUNICATIONS
14:30 - 14:50	Katerina SANEVA-HADZIVELKOVA APPLICATION OF WAVELETS TO DENSITY ESTIMATION AND NONPARAMETRIC REGRESSION
14:50 - 15:10	Tatjana ATANASOVA-PACHEMSKA PRODUCTS OF DISTRIBUTIONS AND FRACTIONAL CALCULUS
15:10- 15:30	Biljana JOLEVSKA-TUNESKA HISTORY OF FRACTIONAL CALCULUS
15.30 - 16.30	Coffee break
16:00 - 17:00	CLOSING OF THE CONFERENCE round table with discussions of all participants about the benefits of the WFC 2018 in Skopje and directions of future work