

# EVOLUTION SYSTEMS; BRANCHING PROCESSES AND RENEWAL THEORY

Dedicated to the main research topics of Volodymyr Korolyuk

Chairs A. Iksanov, N. Limnios, I. Samoilenko

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Meeting ID: 875 4423 1078

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<b>1 June</b>	
<b>Chair : I. Samoilenko</b>	
16:15-16:45	<b>A. Iksanov</b> A FLT FOR NESTED KARLIN'S OCCUPANCY SCHEME GENERATED BY LIGHT-TAILED DISTRIBUTIONS
16:45-17:15	<b>A. Marynych</b> LAH DISTRIBUTIONS: PROPERTIES AND APPLICATIONS
17:15-17:35	<b>P. Dyszewski</b> K-REGULAR SELF-SIMILAR FRAGMENTATION PROCESS
17:35-17:55	A. Iksanov, <b>K. Kolesko</b> , M. Meiners LIMIT THEOREMS FOR BRANCHING PROCESSES
17:55-18:15	<b>J. Tourniaire</b> SPATIAL DYNAMICS OF A POPULATION IN A HETEROGENEOUS ENVIRONMENT
19:00-19:40	<b>Continuation of the Plenary Session</b> Join Zoom Meeting <a href="https://us02web.zoom.us/j/87544231078?pwd=Mk0vWGNJQ3RDaDJWQWQ5QIUzdWZWUT09">https://us02web.zoom.us/j/87544231078?pwd=Mk0vWGNJQ3RDaDJWQWQ5QIUzdWZWUT09</a> Meeting ID: 875 4423 1078 Passcode: 906115

<b>3 June</b> <a href="https://us02web.zoom.us/j/87544231078?pwd=Mk0vWGNJQ3RDaDJWQWQ5QlUzdWZWUT09">https://us02web.zoom.us/j/87544231078?pwd=Mk0vWGNJQ3RDaDJWQWQ5QlUzdWZWUT09</a> Meeting ID: 875 4423 1078 Passcode: 906115		<b>4 June</b> <a href="https://us02web.zoom.us/j/88973290958?pwd=djJnUUd6ajV5RW9IRTRBd2thbk1Edz09">https://us02web.zoom.us/j/88973290958?pwd=djJnUUd6ajV5RW9IRTRBd2thbk1Edz09</a> Meeting ID: 889 7329 0958 Passcode: 002221	
<b>Chair : A. Marynych</b>		<b>Chair : N. Limmios</b>	
15:00-15:30	<b>I. Fazekas</b> , A. Barta A CONTINUOUS TIME NETWORK EVOLUTION MODEL GOVERNED BY A BRANCHING PROCESS	15:00-15:30	<b>C. Macci</b> , B. Pacchiarotti ASYMPTOTIC RESULTS FOR CERTAIN FIRST-PASSAGE TIMES AND AREAS OF RENEWAL PROCESSES
15:30-16:00	<b>J. D. Thøstesen</b> , J. Ivanovs DISCRETIZATION OF THE LAMPERTI REPRESENTATION OF A POSITIVE SELF-SIMILAR MARKOV PROCESS	15:30-16:00	<b>I. V. Samoilenko</b> RANDOM EVOLUTIONS IN POISSON APPROXIMATION SCHEME
16:00-16:20	<b>Ya. M. Chabanyuk</b> , A. V. Nikitin, U. T. Khimka APPROXIMATION OF THE CONTROL PROBLEM IN AN ASYMPTOTICALLY DIFFUSIVE SPACE	16:00-16:20	<b>V. Golomoziy</b> GEOMETRIC DRIFT CONDITION FOR INHOMOGENEOUS MARKOV CHAINS
16:20-16:40	A. Di Crescenzo, B. Martinucci, <b>S. Spina</b> A MULTI-TYPE EHRENFEST MODEL ON A STAR GRAPH AND ITS DIFFUSION APPROXIMATION	16:20-16:40	Ya. M. Khusanbaev, <b>S. O. Sharipov</b> ON THE RATE OF CONVERGENCE IN CENTRAL LIMIT THEOREM FOR CRITICAL BRANCHING PROCESSES WITH IMMIGRATION
16:40-17:00	<b>Coffee break</b>	16:40-17:00	<b>Coffee break</b>
<b>Chair : A. Iksanov</b>		<b>Chair : I. Samoilenko</b>	
17:00-17:30	A. Cortines, <b>B. Mallein</b> SOME EXACTLY SOLVABLE BRANCHING-SELECTION PROCESSES	17:00-17:20	<b>G. A. Zverkina</b> LORDEN'S INEQUALITY AND CONVERGENCE RATE OF REGENERATIVE AND QUASI-REGENERATIVE PROCESSES
17:30-18:00	<b>A. Tchorbadjieff</b> , P. Mayster LAMBERT-W FUNCTION IN MARKOV BRANCHING PROCESSES WITH GEOMETRIC BRANCHING MECHANISM	17:20-17:40	<b>I. B. Bazylevych</b> , K. M. Prysyzhnyk LIMIT THEOREM FOR A SUBCRITICAL BRANCHING PROCESS WITH CONTINUOUS TIME AND MIGRATION
18:00-18:30	<b>A. Oprisan</b> LARGE DEVIATION PRINCIPLE FOR ADDITIVE FUNCTIONALS OF SEMI-MARKOV PROCESSES	17:40-18:00	<b>O. A. Yarova</b> NONLINEAR APPROXIMATION FOR RENEWAL EQUATION
18:30-18:50	O. K. Zakusylo, <b>I. K. Matsak</b> ON EXTREME VALUES OF SOME REGENERATIVE PROCESSES (in Ukrainian)		
18:50-19:10	<b>Ie. Karnaukh</b> THE DISTRIBUTION OF EXTREMA FOR A JUMP-DIFFUSION PROCESS IN A MARKOV ENVIRONMENT		