

# RELIABILITY, QUEUEING AND INFORMATION SECURITY

Dedicated to the development of scientific ideas of Igor Kovalenko. Chairs N. Kuznetsov, E. Lebedev, M. Savchuk

<b>2 June</b> <a href="https://us02web.zoom.us/j/88542029975?pwd=SGRoWkdGZmU1di9hRnhiMGVDb2dMUT09">https://us02web.zoom.us/j/88542029975?pwd=SGRoWkdGZmU1di9hRnhiMGVDb2dMUT09</a> Meeting ID: 885 4202 9975 Passcode: 903763		<b>3 June</b> <a href="https://us02web.zoom.us/j/87826801948?pwd=Qlp4WE5KSnJ4d0RpWU1ESlMrSGxvdz09">https://us02web.zoom.us/j/87826801948?pwd=Qlp4WE5KSnJ4d0RpWU1ESlMrSGxvdz09</a> Meeting ID: 878 2680 1948 Passcode: 029408	
<b>Chair : M. Savchuk</b>		<b>Chair : V. Masol</b>	
15:00-15:30	<b>A. Melikov</b> , S. Aliyeva NUMERICAL APPROACHES TO STUDY THE QUEUEING SYSTEMS WITH FEEDBACK		
15:30-16:00	<b>N. Kuznetsov</b> , I. Kuznetsov FAST SIMULATION OF MULTICAST NETWORKS	15:30-16:00	<b>S. Yakovliev</b> PROVABLE SECURITY OF BLOCK CIPHERS AGAINST GENERALIZED LINEAR CRYPTANALYSIS
16:00-16:20	<b>E. O. Lebedev</b> MARKOV STATE-DEPENDENT MODELS IN THE THEORY OF RETRIAL QUEUES	16:00-16:20	<b>M. M. Savchuk</b> , M. K. Burlaka ENCODING AND CLASSIFICATION OF PERMUTATIONS BY SPECIAL TRANSFORMATIONS WITH THE CARDINALITY OF CLASSES ESTIMATES
16:20-16:40	<b>H. V. Livinska</b> MOMENTS CALCULATION FOR A MULTI-CHANNEL QUEUEING NETWORK WITH PERIODIC INPUT FLOW	16:20-16:40	V.V. Leshchenko, <b>N. A. Pekarchuk</b> , M. M. Savchuk COMPARATIVE ANALYSIS OF THE COMPLEXITY OF THE LINEARIZATION AND ENUMERATION METHODS FOR SOLVING SYSTEMS OF NONLINEAR BOOLEAN EQUATIONS
16:40-17:00	<b>Coffee break</b>	16:40-17:00	<b>Coffee break</b>
<b>Chair : N. Kuznetsov</b>		<b>Chair : M. Savchuk</b>	
17:00-17:30	<b>A. A. Voina</b> HIDDEN MARKOV MODELS IN STATISTICAL ANALYSIS AND INVENTORY MANAGEMENT	17:00-17:30	<b>V. Masol</b> SOME TWO-DIMENSIONAL PROBABILISTIC CHARACTERISTICS OF $(0,1)$ – VECTOR
17:30-18:00	<b>V. O. Ustimenko</b> , O. S. Pustovit DYNAMICAL SYSTEMS BASED ON SMALL WORLD EXPANDING GRAPHS AND ALGORITHMS TO SECURE BIG DATA PROCESSING	17:30-17:50	<b>I.O. Lomachenko</b> REDUCING THE ANALYSIS OF FAMILY OF TWEAKABLE BLOCKCIPHERS WITH PROVABLE 2 <sup>n</sup> SECURITY TO COMPUTING DIFFERENTIAL PROPERTIES OF INNER BLOCKCIPHER
18:00-18:20	<b>V. O. Ustimenko</b> INFORMATION SECURITY: CHALLENGES OF QUANTUM COMPUTER AND BIG DATA PROCESSING		