

XXXIV International Conference
PROBLEMS OF DECISION MAKING UNDER UNCERTAINTIES 2019 (PDMU- 2019)
September 23 – 27, 2019
Lviv, Ukraine

Monday, September 23, 2019		Arrival of participants
Tuesday, September 24, 2019	09 ⁰⁰ - 10 ⁰⁰	Registration of participants (near Mirror Room, Universytetska Street, 1, Lviv)
	JOINT OPEN CEREMONY of XXXIV International Conference Problems of Decision Making Under Uncertainties (PDMU-2019) and The Current Problem of Applied Mathematics and Informatics International Conference (APAMCS-2019), PLENARYSESSION	
	10 ⁰⁰ - 10 ¹⁵	O.Nakonechnyi (Chairman of Program Committee) Greetings
	10 ¹⁵ - 10 ³⁰	I. Dyyak (Dean of Faculty of Applied Mathematics and Informatics, Ivan Franko National University of Lviv) Greetings
	10 ³⁰ - 11 ⁰⁰	I. Dyyak «The numerical solution of non-stationary problems of elasticity»
	11 ⁰⁰ - 11 ³⁰	G. Yagub «Optimal control problem with the boundary functional for a Schrödinger equation with a special gradient term»
	11 ³⁰ - 12 ⁰⁰	I.V.Beyko «Methods of construction of generalized optimized trajectories»
	12 ⁰⁰ - 12 ³⁰	Coffee break
	12 ³⁰ - 13 ⁰⁰	R. Correll «Use of polyaromatic hydrocarbons to identify sources of contaminants»
	13 ⁰⁰ - 13 ³⁰	M.V. Shcherbatyy «Surrogate modeling of parametric ordinary differential equations and partial differential equations»
	13 ³⁰ - 14 ⁰⁰	O.M.Makoveichuk «Finding inverse pseudorandom block permutation in the task»
	14 ⁰⁰ - 15 ⁰⁰	Lunch
	15 ⁰⁰ - 17 ⁰⁰	BOARD SESSION
18 ⁰⁰ - 22 ⁰⁰	Wellcome party	

SECTIONAL SESSIONS	
$10^{00} - 10^{15}$	Z. Suraj «Petri nets in knowledge representation and modeling of reasoning: a soft set approach »
$10^{15} - 10^{30}$	S. Mashchenko «Intersection of sets with a fuzzy set of operands »
$10^{30} - 10^{45}$	V.Yatsenko «Sensors and data fusion: modeling, information assesment and decision making»
$10^{45} - 11^{00}$	A.Ya.Akhundov, A.Sh.Habibova «The inverse problem for hyperbolic equation in a domain with moving boundary»
$11^{00} - 11^{15}$	S.Shakhno, H.Yarmola, Yu.Shunkin, B.Holub «Investigation of the convergence of the Newton-Kurchatov method under weak conditions»
$11^{15} - 11^{45}$	Coffee break
$11^{45} - 12^{00}$	I.V.Samoilenko, A.V.Nikitin « Asymptotic dissipativity for merged stochastic evolution systems with Markov switches and impulse perturbations under Poisson approximation conditions»
$12^{00} - 12^{15}$	M. Tejkal, Y. Michalek «Maximum likelihood estimation of the transition matrix of the non-homogeneous Markov chain terrorist threat model »
$12^{15} - 12^{30}$	D. Chernij, S. Dovgii «Quadrature-difference method for solving Cauchy problem with hypersingular integral on the right side »
$12^{30} - 12^{45}$	A. Makhort « On methods of a behavior analysis of economic systems under a presence of interior systematic influence factors»
$12^{45} - 13^{00}$	A.Shatyrko, D.Khusainov «Dynamics investigation of one combat model with time-delay»
$13^{00} - 15^{00}$	Lunch
$15^{00} - 17^{00}$	EXCURSION

Wednesday,
September 25, 2019

SECTIONAL SESSIONS	
$10^{00} - 10^{15}$	I.Atencia «A retrial discrete-time queueing system with actions in the server»
$10^{15} - 10^{30}$	O.Makarevych, H.Livinska «Pre-training BERT-model on ukrainian corpus »
$10^{30} - 10^{45}$	O. Nakonechnyi, A. Pashko, I. Shevchuk «Statistical simulation of the information spreading processes with stochastic perturbations»
$10^{45} - 11^{00}$	A. Vlasjuk, I. Ilkiv «Mathematical and computer modeling of the interconnected processes moisture and heat and mass transfer in one-dimensional case »
$11^{00} - 11^{15}$	A. Tymashov, Ju. Jakovlev «Principles of the organization and application seminatural modelling »
$11^{15} - 11^{45}$	Coffee break
$11^{45} - 12^{00}$	V.Bakhrushyn «Decision-making on selection of applicants to study for a master's degree in law »
$12^{00} - 12^{15}$	Ya.Kokovska, P.Venherskyi «Geoinformation cartographic modeling of water flows in pseudo-prismatic channels with uneven bottom»
$12^{15} - 12^{30}$	N.K.Timofeeva «"Gold" number in combinatorics»
$12^{30} - 12^{45}$	N. Stolyarenko «Image thinking procedures for mathematical models building »
$12^{45} - 13^{00}$	L.P.Dobuliak, S.B.Kostenko, S.P.Shevchuk «Hierarchic clustering of Ukraine's regions by the conditions of small business development»
$13^{00} - 14^{00}$	Lunch
$14^{00} - 23^{00}$	EXCURSION, FAREWELL PARTY

Thursday,
September 26, 2019

SECTIONAL SESSIONS	
$10^{00} - 10^{15}$	A. Kinash, Ya.Chabanyuk, U.Khimka «Asymptotic dissipativity of the system of virus multiplication in a population of marine bacteria»
$10^{15} - 10^{30}$	O. Nakonechnyi, H. Kudin, T.Zinko «Analytical representation of perturbation for one class of pseudo-inverse operators»
$10^{30} - 10^{45}$	L.I.Fundak, H.H.Tsehelyk «The optimal block search in the case of the generalized distribution of probabilities of access to records»
$10^{45} - 11^{00}$	V.V. Koval, V.P.Lysenko, O.V.Samkov, M.M.Khudyntsev, O.L. Osinskii, M.M.Klymash, B.S. Kravchenko «Statistical analysis of the temperature stability of reference time interval of the system of precise time stamps monitoring»
$11^{00} - 11^{15}$	O.V. Pryshchepa «On controlled queue with the limited number of retrials and constant retrial rate»
$11^{15} - 11^{45}$	Coffee break
$11^{45} - 12^{00}$	M.Bartish, O.Kovalchuk «On a three-step method with an order of convergence for solving systems of nonlinear equations based on Steffensen's method»
$12^{00} - 12^{15}$	A.Bilynskyi, O.Kinash «The asymptotic of the probability of bankruptcy in case of large payments and existing interest rates on reserve capital»
$12^{15} - 12^{30}$	A. Florenko, N. Shchestyuk «Estimation problems for random fields from observations on Serpinski's carpet »
$12^{30} - 12^{45}$	P.S. Senio «Algorithms for solving problems using mathematics of functional intervals»
$12^{45} - 13^{00}$	Closing of the Conference

Friday,
September 31, 2019