DECT 2021 Schedule

Monday, September 27 th				
15:00 - 15:10	Welcome words from G. Zholtkevych, Dean of the School of Mathematics and Informatics of V. N. Karazin Kharkiv National University			
15:10 - 15:40	G. Sklyar	Valery Ivanovich Korobov. Our collaboration and selected results		
15:40 - 16:05	Nguyen Khoa Son	On absolute stability of a class of time- varying switched nonlinear systems with delay		
16:05 - 16:30	R. Rabah	On our work with V. I. Korobov in Kharkov and its further continuation in subsequent years		
16:30 - 16:55	A. Zuyev	Control of a flexible beam with attached mass: analytic and data-driven approaches		
16:55 - 17:20	J. Wozniak	Prof. Valerii Ivanovich Korobov's work in Szczecin, Poland		
Tuesday, September 28 th				
Morning offline session. Chairman: J. Wozniak				
10:00 - 10:20	S. Ignatovich, K.Sklyar	Linearizability problem and invariants of linear control systems with analytic matrices		
10:20 - 10:40	L. Fardigola, K. Khalina	On controllability problems for the heat equation with variable coefficients on a half-axis		
10:40 - 11:00	T. Revina, V. Korobov	The feedback synthesis for motion of a mass on an ideal spring		
11:00 - 11:20	V. Marchenko, P. Polak, G. Sklyar	Asymptotic analysis of classes of C0-groups with generators having non-basis family of eigenvectors		
11:20 - 11:40	B. Wasilewski, P. Polak, G. Sklyar	On the extension of Batty's theorem on semigroup asymptotic stability		
Break for lunch				
Tuesday, September 28 th				
Afternoon offline session. Chairman: L. Fardigola				
14:00 - 14:20	Yu. Romashov, S. Alyokhina, I. Nevliudov	Controllability problems for wheeled electromechanical robotic platforms taking into account motion's smoothness restrictions		

14:20 - 14:40	S. Chuiko	S: ps	Smoothness conditions for a pseudoinverse matrix		
14:40 - 15:00	A. Goncharuk, S. Gefter	L ri	Linear differential equations in the ring of formal power series		
15:00 - 15:20	A. Piven', S. Gefter	L m	inear differential equations in the nodule of copolynomials		
15:20 - 15:40	M. Bebiya	0 02 02	In stabilizability and controllability f triangular systems in the singular ase		
Wednesday, September 29 th					
Morning online session. Chairman: P. Polak					
10:00 - 10:20	A. Kholkin		Operator-Theoretic Proof of Arnold's Theorems of Alternation and Non-oscillation for Differential Equations of Even Order with Operator Coefficients		
10:20 - 10:40	Pham Minh Huy Huynh		Pullback and forward dynamics of nonautonomous difference equations: Basic constructions		
10:40 - 11:00	S. Chuiko, Ya. Kalinichenko		Linear Noetherian difference- algebraic boundary value problems		
11:00 - 11:20	D. Andreeva, S. Ignatovich		Homogeneous approximations for control systems with output		
11:20 - 11:40	P. Mormul		Kumpera-Ruiz algebras and related issues (21 years after a Trieste 2000 conference)		
Break for lunch					
Wednesday, September 29 th					
Afternoon online session. Chairman: V. Marchenko					
14:00 - 14:20	Yu. Dyukarev	The first and second kind matrix polynomials associated with the matrix Hamburger moment problem			
14:20 - 14:40	Ye. Yevgenieva	Uniqueness of large solutions of semilinear elliptic equations with degenerate absorption			
14:40 - 15:00	I. Dmytryshyn	Construction of invariant relations in the problem of estimating the speed of oscillations of oscillatory networks on incomplete information			
15:00 - 15:20	N. Kizilova, D. Kulik	Big Data analysis and mathematical modeling of Covid-19			