

International conference
DIFFERENTIAL EQUATIONS and CONTROL THEORY (DECT-2016)
dedicated to the 75th anniversary of professor Korobov V.I.
September 26-28, Kharkov, Ukraine

Monday, September 26		
09.00-10.00	Registration	
10.00-10.15	Opening ceremony	
Morning session, chairman Sklyar G.		
10.15-11.00	Zuyev A.	Time-varying stabilization of nonlinear controllable systems by using fast oscillating feedback laws
11.00-11.15	Coffee break	
11.15-12.00	Zolotarev V.	Open second order systems and model representations of operators
12.00-12.45	Ignatovich S.	Normalization of homogeneous approximations under feedbacks
12.45-14.00	Lunch	
Afternoon session, chairman Ignatovich S.		
14.00-14.25	Polak P.	On asymptotic growth of solutions of delay differential equations of neutral type
14.25-14.50	Lutsenko A.	Robust stabilization of one class of nonlinear systems
14.50-15.15	Shlyahov V.	Conditions of multigroup and multifield existence
15.15-15.35	Coffee break	
15.35-16.00	Sklyar K.	Spectral assignment of infinitesimal operators corresponding to equations of neutral type
16.00-16.25	Kizilova N.	Dynamics of complex inverter pendulum: stability and control with time-delayed feedback
Tuesday, September 27		
Morning session, chairman Zolotarev V.		
10.00-10.45	Chuiko S.	The Green's operator of a generalized matrix differential-algebraic boundary value problem with pulse action
10.45-11.00	Coffee break	
11.00-11.45	Wozniak J.	Optimal damping coefficient of rotating Timoshenko beams
11.45-12.30	Rezounenko A.	Some qualitative properties of solutions to parabolic partial differential equations with state-dependent delays
12.30-14.00	Lunch	
Afternoon session, chairman Wozniak J.		
14.00-14.25	Misztela A.	Representation of convex Hamilton-Jacobi equations in optimal control theory
14.25-14.50	Geftter S.	Fundamental solution of an implicit linear differential equation over an arbitrary ring
14.50-15.15	Romashov Yu.	Generalized mathematical formulations for nuclear power plants lifetime management problems
15.15-15.35	Coffee break	

15.35-16.00	Barkhayev P.	Stability and stabilizability of time-delay neutral type dynamical systems
16.00-16.25	Bebiya M.	Synthesis of bounded controls for a class of nonlinear systems
Wednesday, September 28		
Morning session, chairman Zuyev A.		
10.00-10.45	Scherbak V.	Synthesis of invariant relations in observation and identification problems
10.45-11.00	Coffee break	
11.00-11.45	Fardigola L.	Transformation operators and controllability problems for the wave equation with variable coefficients
11.45-12.10	Potseluev S.	Interfacial stability of the ferrofluid in a constant and oscillating magnetic fields
12.10-12.35	Poslavsky S.	Mathematical models of suspension flows through porous medium
12.35-14.00	Lunch	
Afternoon session, chairman Barkhayev P.		
14.00-14.25	Revina T.	On robust feedback synthesis for the system of two coupled pendulums
14.25-14.50	Smortsova T.	Nonsmooth mapping of the trajectories of the control systems
14.50-15.10	Coffee break	
15.10-15.35	Marchenko V.	Operators with non-basis family of eigenvectors and the well-posedness of evolution equations
15.35-16.00	Grushkovskaya V.	Asymptotic properties of essentially nonlinear systems with even-order resonances