
*The Sixth Czech-Israeli Workshop
on Functional Differential Equations*

October 17-20, 2016, Brno, Czech Republic

PROGRAM

Monday, Oct. 17

9:00 – 10:00 **Alexander Domoshnitsky**

Asymptotic properties and stability of second order delay differential equations

10:30 – 11:30 **Pavel Řehák**

Asymptotic formulae for solutions of half-linear differential equations

11:45 – 12:45 Lunch

13:00 – 14:00 **Yuri Ribakov**

Using optimal control with bilinear inequality constraints for semi-active signal shaping

14:30 – 15:30 **Jan Čermák**

Stability switches in linear autonomous differential systems with a constant delay

Tuesday, Oct. 18

9:00 – 10:00 **Leonid Berezansky**

On stability of equation of the first order with positive and negative coefficients

10:30 – 11:30 **Alexander Lomtadze**

Periodic, bounded, and unbounded solutions to the second order ordinary differential equations

11:45 – 12:45 Lunch

13:00 – 14:00 **Guy Landsman**

Positivity of Green's functions of impulsive boundary value problems

14:30 – 15:30 **Lucía López Somoza**

Green's functions for the Hill's equation

Wednesday, Oct. 19

9:00 – 10:00 **Abraham Maghakyan**

Stability of second order delay differential equations, method of Azbelev's W -transform

10:30 – 11:30 **Sulkhan Mukhigulashvili**

Two-point boundary value problems for the fourth order nonlinear ordinary differential equations at resonance

11:45 – 12:45 Lunch

13:00 – 14:00 **Dan Gamliel**

Quasi-steady state in a delay differential equation with pulses

14:30 – 15:30 **Zdeněk Opluštil**

On oscillation and non-oscillation of certain two-dimensional system of nonlinear differential equations

Thursday, Oct. 20

9:00 – 10:00 **András Rontó**

Constructive analysis of boundary value problems with parametrisation techniques

10:15 – 11:15 **Jiří Šremr**

On the unique solvability of the Darboux problem for linear hyperbolic functional-differential equations

11:45 – 12:45 **Robert Hakl**

Bounded solutions to the systems of nonlinear functional differential equations