On the occasion of 80th birthday of Ivan Kiguradze

January 10 – 13, 2017, Brno, Czech Republic

Program

Tuesday, 10 January 2017

10:20-11:00 **Alexander Lomtatidze** (Brno)

On periodic, bounded and unbounded solutions of second orded ODE

11:20-12:00 **Nino Partsvania** (Tbilisi)

Monotone and oscillatory solutions of higher order nonlinear functional differential systems

12:00-14:00 *Break*

14:00-14:40 **Zuzana Došlá** (Brno)

Unbounded solutions for differential equations with p-Laplacian and mixed nonlinearities

15:00-15:40 **Gissele Monteiro** (Bratislava)

On Dobrakov integral and its connection to Kurzweil integration theory

15:50-16:30 **M. Telnova** (Moscow)

On some estimates for the first eigenvalue of a Sturm-Liouville problem with Dirichlet boundary conditions and a weighted integral condition

Wednesday, 11 January 2017

10:20-11:00 **Sulkhan Mukhigulashvili** (Brno)

Two-point BVPs for the 4th order nonlinear ODEs at resonance

11:20-12:00 **Milan Tvrdý** (Praha)

New results for the Liebau phenomenon via fixed point index

12:00-14:00 *Break*

Czech-Georgian Workshop on Boundary Value Problems

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14:00-14:40   **Irena Rachůnková** (Olomouc)

Periodic solutions of generalized differential equations with state-dependent impulses

15:00-15:40   **Pavel Drábek** (Plzeň)

Maximum principle for the p-Laplacian with weights

15:50-16:30   **S. Zabolotskiy** (Moscow)

On exponential equivalence of solutions to nonlinear ordinary differential equations

Thursday, 12 January 2017

10:00-10:40   **Miklós Rontó** (Miskolc)

Investigation of some Carathédory boundary value problems by division into subintervals

10:50-11:30   **Ivan Kiguradze** (Tbilisi)

On boundary value problems on an infinite interval for higher order nonlinear differential systems

11:50-12:30   **Svatoslav Staněk** (Olomouc)

Periodic boundary value problem for fractional functional differential equations

12:40-13:20   **Irina Astashova** (Moscow)

On I.T. Kiguradze's problem concerning power-law asymptotic behavior of blow-up solutions to Emden-Fowler type differential equations

13:30-14:10   **K. Dulina, T. Korchemkina** (Moscow)

On oscillation of solutions to second-order Emden-Fowler type differential equations with positive potential

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Friday, 13 January 2017

10:20-11:00 **V. V. Rogachev** (Moscow)

On existence of solution to odd-order nonlinear Emden-Fowler type equation with given number of zeroes on prescribed interval

11:20-11:50 **Robert Hakl** (Brno)

Periodic solutions to second-order indefinite singular equation

12:00-12:30 **Jiří Šremr** (Brno)

On non-negative periodic solutions of second-order differential equations with mixed sub-linear and super-linear non-linearities