



UNIVERSITY OF RUSE
UNION OF SCIENTISTS IN BULGARIA,

Nonlinear Difference and Differential Equations and their Applications
NODDEA'2017

in the frame of the 56-th University conference

<http://conf.uni-ruse.bg/en/?cmd=dPage&pid=index>.

PROGRAME of

International mathematical workshop NODDEA'2017

26.10.2017

From **14:00 to 17:00**, room **1.311** of University of Ruse, **Registration**

27.10.2017

Room 1.405.2 (on third floor of Central building).

Chairwoman: Assoc.prof. Miglena Koleva

09:00-09:15, Opening

09:15-09:45, **Alberto Cabada**, Reflection and phi-Laplacian Equations

09:45-10:15, **Rosana Rodriguez Lopez**, Fixed points in non-vectorial spaces and mathematical models of uncertainty

10:15-10:45, **Mihai Mihailescu**, Minimization Problems for Inhomogeneous Rayleigh Quotients

10:45-11:00, Discussion and announcements

11:00 - 12:00, **Kaneff Centre – Plenary session**

12:00-13:30, Lunch

13:30-14:00 Coffee break – **Kaneff Centre**

Chairman: Assoc. prof. Yuriy Kandilarov

14:00-14:30, **Virginia Kiryakova**, Generalized fractional derivatives of Riemann-Liouville and Caputo type and Cauchy problems

14:30-15:00, **Radu Prekup**, Critical point theorems in convex sets and localization of Nash-type equilibria

15:00-15:15, **Lorena Saavedra**, Existence of solutions for a nonlinear periodic boundary value problem involving p-Laplacian

15:15-15:30, **Denisa Stancu**, The convergence of nonnegative solutions for the family of problems $\Delta_p u = \lambda e^u$ as $p \rightarrow \infty$.

15:30-15:45, **Maria Farcaseanu**, On a family of torsional creep problems involving rapidly growing operators in divergence form

15:45-16:00, **Teodora Zapryanova, Diko Souroujon**, One new solution of a problem from IMC

16:00-16:30 Coffee break – **Kaneff Centre**

16:30-16:45, **Yulia Chaparova**, Mathematical Modelling of Nerve Signal Propagation

16:45-17:00, **Tihomir Gulov**, Existence of solutions to a model for option valuation in a market with switching liquidity

17:00-17:15, **Nikolaj Dimitrov**, Existence of solutions of n-th order homoclinic difference equations with sign-changing green's function

17:15-17:30, Discussion and announcements

19:30, **Hotel "Riga" - Scientists Gala**

28.10.2017

09:00-14:00, **Excursion for the international participants to**

Basarbovo Monastery "St. Dimitrii of Basarbovo"

http://www.bulgariamonasteries.com/en/basarbovo_monastery.html and

Ivanovo Monastery "St. Michael the Archangel"

http://www.bulgariamonasteries.com/en/ivanovo_monastery.html

Starting point at hotel Splendid at 9:00, Free time