

# ROOM 3

**WEDNESDAY, JUNE 15, 2016**

## **Section 3: Differential Equations and Dynamical Systems**

Chair: Burcu Silindir Yantir

18:20 – 18:40	<b>Slagjana Brsakoska:</b> About the zeros and the oscillatory character of the solution of one areolar equation of second order
18:40 – 19:00	<b>Lazo Dimov:</b> On the types of linear differential equations of second order and their solutions
19:00 – 19:20	<b>Diana Dolićanin-Đekić:</b> Strongly isochronous centers of two-dimensional cubic systems with degenerate infinity

20:00 – 21:00      Dinner

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## THURSDAY, JUNE 16, 2016

### Section 3: Differential Equations and Dynamical Systems

Chair: Slagjana Brsakoska

10:50 – 11:10	<b>Billur Kaymakçalan:</b> Second order dynamic operator with transmission conditions and associated contractive operator
11:10 – 11:30	<b>Seda Kizilbudak, Çalışkan, Serpil Uslu:</b> Spectral properties of eigenvalues and eigenfunctions of a discontinuous boundary value problem with retarded argument
11:30 – 11:50	<b>Ekaterina Madamlieva, Loreta Kasmska, Snezhana Hristova:</b> Approximate method for the initial value problem for impulsive difference equations
11:50 – 12:10	<b>Gjorgji Markoski, Monika Peshevska, Aleksandar Gjurchinovski:</b> Extended discrete transformation method for nonlinear systems of ordinary and fractional differential equations

12:10 – 12:30      Coffee break

### Section 3: Differential Equations and Dynamical Systems

Chair: Boro Piperevski

12:30 – 12:50	<b>Maya Mincheva:</b> Multistationarity in reaction networks models
12:50 – 13:10	<b>Zerin Özçubukcu, Oya Ünal:</b> On the regularized trace formula of the second order differential operator equation with semi-periodic boundary conditions
13:10 – 13:30	<b>Ahmet Yantir:</b> On continuous dependence of solutions of dynamic equations

13:30 – 15:30      Lunch

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## THURSDAY, JUNE 16, 2016

### Section 3: Differential Equations and Dynamical Systems

Chair: Lazo Dimov

17:20 – 17:40	<b>Burcu Silindar Yantir:</b> On integrable extensions
17:40 – 18:00	<b>Boro M. Piperevski:</b> For one system differential equations dual of the system of Lorenz
18:00 – 18:20	<b>Biljana Zlatanovska,</b> Approximation for the solutions of Lorenz System with systems of differential equations

18:00 – 18:20      Coffee break

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18:45 – 20:30	Seminar 2: The role of elementary number theory in teaching mathematically gifted students: opportunities and challenges Speaker: <b>Risto Malčeski</b>
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20:30 – 22:00      Dinner

# ROOM 3

## FRIDAY, JUNE 17, 2016

### Students Institute

Chair: Dončo Dimovski

9:00 – 9:20	<b>Paolina Gadjulova:</b> Simulation of an ecosystem with three species on a toroidal lattice
9:20 – 9:40	<b>Vera Dimovska:</b> Combinatorial game theory: An analysis of a fair game
9:40 – 10:00	<b>Vanessa Getseva:</b> Haplotype phasing of structural variations in genomes of individuals
10:00–10:20	<b>Filip Selamovski:</b> Analysis of terrorism through game theory

12:40 – 14:00      Lunch

14:15 – 19:30      EXCURSION

20:00 – 23:00      FAREWELL DINNER