4 – 5 August

TOMSK 2018

Tomsk State University of Control Systems and Radioelectronics

https://tusur.ru

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Программа конференции:

www.scd2018.tusur.ru

TUSUR UNIVERSITY

Tomsk State University of Control Systems and Radioelectronics

INTERNATIONAL WORKSHOP SIBERIAN COSMOLOGY DAYS 2018

4 – 5 August

TOMSK 2018

Program of Siberian Cosmology Days 2018, TUSUR, Tomsk

Place: House of Scientists, TUSUR (Sovetskaya, 45)

AUGUST 4

8.30-9.00 Registration

9.00-9.15 Opening Ceremony (TUSUR Rector Prof. A.Shelupanov)

Morning Session
Part 1: Chairman E. Elizalde

9.15-9.45 S.D. Odintsov, ***Unification of inflation with dark energy in higher-derivative gravity***

9.45-10.15 G. Sharov, ***Exponential F(R) cosmology with logarithmic corrections***

10.15-10.45 S. Sushkov, ***Cosmological Perturbations During the Kinetic Inflation in the Horndeski Theory***

10.45-11.15 V. Oikonomou, ***f(R) Gravity Phase Space***

11.15-11.45 Coffee Break

Part 2: Chairman K. Osetrin

11.45-12.15 E. Elizalde, ***Zeta functions in Physics***
12.15-12.45 M. Khurshudyan, ***Interacting Dark Energy Models and Gaussian Processes***

12.45-13.05 A. Kotanjan, ***Qualitative Evolution in f(R) Cosmologies***

13.05-15.00 Lunch Break

Afternoon Session
Chairman Vasilis Oikonomou

15.00-15.30 G. Nashed, ***Charged rotating black hole solutions coupled with non-linear electrodynamics Maxwell field in the mimetic gravity***

15.30-15.50 H. Takata, ***Generation of particle number asymmetry from inflaton - a toy model with three scalars***

15.50-16.10 A. Timoshkin, ***Van der Vaals Coupled Fluid for Inflation in the Presence of Viscosity***

16.10-16.30 A. Shapovalov, ***On Separation of Variables in (2+1)D Dirac Equation***

16.30-16.50 K. Osetrin, ***Spatially homogeneous models of space-time with dust and radiation that allow separation of variables in the Hamilton-Jacobi equation for test particles***

16.50-17.00 P. Tretyakov, ***TBA***

17.10 -17.20 A. Gaiduchik, ***New aspects of separation variables in Klein - Gordon and Dirac equations***

17.20-17.30 Y. Matsuo, ***Scalaron Description of F(R) gravity***

17.30-17.40 E. Osetrin, ***The space-time models with pure radiation that admit integration of the eikonal equation by the separation of variables method***

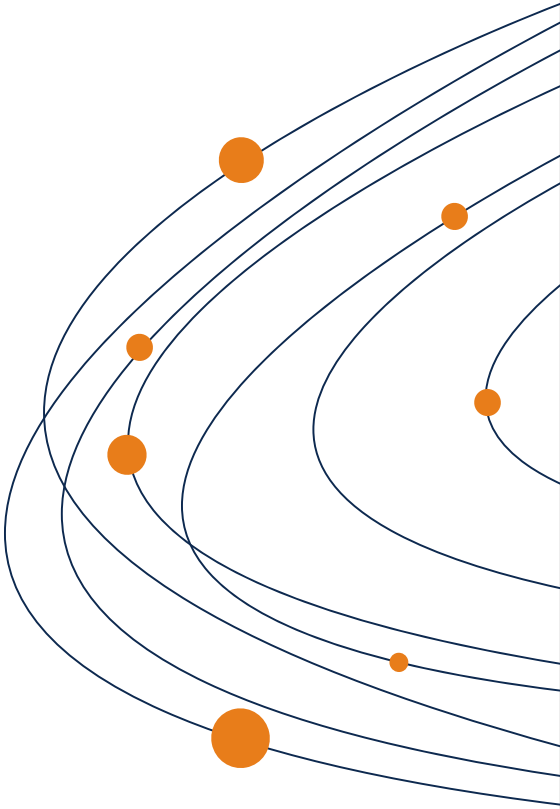
17.40-18.00 Sergei Chervon, ***Exact Cosmology in 4D GB gravity with non-minimal Coupling to the Scalar Field***

Social Event

19.00 Banquet at Biblioteka (House of Scientists)

AUGUST 5

House of Scientists

10.00-11.00 Round table discussion on Black Holes, Cosmology, Primordial Gravitational Waves and related issues. ***(Coordinators: Sergei Odintsov, Emilio Elizalde, Sergei Sushkov)***

11.00-16.00 Social Event (excursion in Tomsk City)