



Institute of Mathematics and Informatics
1113 Sofia, Acad. G. Bonchev Str, Bl. 8
Analysis, Geometry and Topology Department

Annual Session of Analysis, Geometry and Topology Department

December 15, 2020

In Memory of Acad. Blagovest Sendov and Prof. Georgi Ganchev

9:30 Opening: Nikolai Nikolov

Chairman: Oleg Mushkarov

9:45 Kamen Ivanov: Sendov's conjecture about the Whitney constants

10:00 Jordanka Paneva-Konovska, Virginia Kiryakova: Mellin transforms of the multi-index Mittag-Leffler functions

10:15 Stepan Tersian: Multiple solutions for a fractional problem with critical exponent via variational method

10:30 Nikolai Nikolov: Growth of Sibony metric and Bergman kernel

10:45 - 11:00 Break

Chairman: Virginia Kiryakova

11:00 Ivan Dimovski, Yulian Tsankov: Explicit Solution for a Wave Equation with integral boundary condition

11:15 Emilia Bazhlekova: Bernstein functions in the study of the fractional Jeffreys model

11:30 Ralitzia Kovacheva: On overconvergence of rational approximants of meromorphic functions, revisited

11:45 Nikolay Ikonov: Viskovatov algorithm for Hermite-Pade polynomials

12:00 Zhivko Athanassov: New results in topological dynamics of ordinary and functional differential equations

12:15 - 13:00 Lunch break

Chairman: Stepan Tersian

13:00 Velichka Milousheva, Ognian Kassabov: Georgi Ganchev – life and research

13:15 Stefan Ivanov: Sasaki-Einstein and 3-Sasakian manifolds in dimension 7

13:30 Johann Davidov, Oleg Mushkarov: Compatible almost complex structures on twistor spaces

13:45 Ludmil Katzarkov: Differential equations and motives

14:00 Antoni Rangachev: Rigidity in dimension 2

14:15 - 14:30 Break

Chairman: Johann Davidov

14:30 Mancho Manev: Ricci-like solitons on almost contact B-metric manifolds

14:45 Hristo Manev: Almost Hypercomplex Manifolds with Hermitian-Norden Metrics and 4-Dimensional Indecomposable Real Lie Algebras

15:00 Galia Nakova: Some half lightlike submanifolds of almost contact B-metric manifolds

15:15 Veselina Tavkova: Hyperspheres in Euclidean and Minkowski 4-spaces as almost paracontact almost paracomplex Riemannian manifolds

15:30 - 15:45 Break

Chairman: Velichka Milousehva

15:45 Peter Petrov: Zeta functions and proteins

16:00 Stoyu Barov: Smooth, symmetric and convex bodies in R^n with dense union of facets

16:15 Strashimir Popvassilev: Monotone orthocompactness and property (A_o)

Zoom link:

<https://us02web.zoom.us/j/81828379085?pwd=b1crUG05dTFVMlZL0ZUL01CWk5zZz09>

Meeting ID: 818 2837 9085

Passcode: 358546