

**GEOMETRY AND MATHEMATICAL PHYSICS
WORKSHOP DEDICATED TO THE MEMORY OF VASIL TSANOV
SCHEDULE**

MONDAY 15 JULY 2019

9:45. Opening by Dean Prof. Dr. Vladimir Todorov

Chair of the morning session: Ludmil Katzarkov

10:00-11:00. Tony Pantev, *Universal constructions of symplectic structures*

11:00-11:20. Coffee break

11:20-12:20. Dimitar Grantcharov, *Relations between Laplace spectra and geometric quantization of Riemannian symmetric spaces*

Chair of the afternoon session: Tony Pantev

14:00-15:00. Ivan Todorov, *Exceptional quantum algebra for the standard model of particle physics*

15:00-15:30. Coffee break

TUESDAY 16 JULY 2019

Chair of the morning session: George Dimitrov

10:00-11:00. Ludmil Katzarkov, *New birational invariants*

11:00-11:20. Coffee break

11:20-12:20. Penka Georgieva, *A Klein TQFT : the local real Gromov-Witten theory of curves*

Chair of the afternoon session: Valdemar Tsanov

14:00-15:00. Ulf Persson, *Mathematical Platonism*

15:00-15:30. Coffee break

15:30-16:30. Khristo Boyadzhiev, *Power series with special numbers*

WEDNESDAY 17 JULY 2019

Chair of the morning session: Stefan Ivanov

10:00-11:00. Ivan Dimitrov, *Left symmetric superalgebras*

11:00-11:20. Coffee break

11:20-12:20. Elitza Hristova, *Hilbert series and invariants of symplectic and orthogonal groups*

Chair of the afternoon session: Penka Georgieva

14:00-15:00. Valdemar Tsanov, *Homogeneous projective varieties and invariant rings*

11:00-11:20. Coffee break

15:30-16:30. Bogdan Alexandrov, *Remarks on homogeneous 3-Sasakian manifolds*

THURSDAY 18 JULY 2019

Chair of the morning session: Stefan Zhechev

10:00-11:00. Stefan Ivanov, *Quaternionic Heisenberg group and Solutions to Strominger system with non-constant dilaton in small dimensions*

15:00-15:30. Coffee break

11:20-12:20. Danail Brezov, *Projective View on Motion Groups*

Chair of the afternoon session: Danail Brezov

14:00-15:00. Mihail Hamamdjiev, *Multidirectional mean value inequalities without compact requirements*

15:00-15:30. Coffee break

15:30-16:30. Lyubomir Andreev, *Gromov hyperbolicity for the Kobayashi distance*

FRIDAY 19 JULY 2019

Chair: Mihail Hamamdjiev

10:00-11:00. Stefan Zhechev, *Embeddability is undecidable outside the meta-stable range*

11:00-11:20. Coffee break

11:20-12:20. George Dimitrov, *Non-commutative counting invariants*