

## Contributions

XIII. International Workshop Lie Theory and Its Applications in Physics  
17-23 June 2019, Varna, Bulgaria

	<b>Participant</b>	<b>Title of Contribution</b>
1	<a href="#">Cristian Anghel</a>	Lie theory and infinitesimal extensions in algebraic geometry
2	<a href="#">Lilia Anguelova</a>	Hidden Symmetries and Exact Solutions in Two-field alpha-attractor Models
3	<a href="#">Per Bäck</a>	Formal hom-deformations of non-commutative polynomial rings and Lie algebras
4	<a href="#">Almut Beige</a>	Mixing photons and anti-photons with mirrors
5	<a href="#">Niklas Beisert</a>	Integrability in Planar AdS/CFT and Yangian Symmetry
6	<a href="#">David Benisty</a>	Covariant Canonical Gauge Theory of gravity
7	<a href="#">Asmus K. Bisbo</a>	Polynomial Representations of the Lie superalgebra $\mathfrak{osp}(1 2n)$
8	<a href="#">Plamen Bozhilov</a>	Semiclassical structure constants for $\text{AdS}_4 \times \text{CP}^3$
9	<a href="#">Čestmír Burdík</a>	Algebraic Bethe ansatz for RTT-algebra $\tilde{\mathcal{A}}_2^q$
10	<a href="#">Shu Chen</a>	Mass-imbalanced atoms in a hard-wall trap: an exactly solvable model associated with $D_{2n}$ symmetry
11	<a href="#">Sam Claerebout</a>	Segal-Bargmann transformations on superspaces
12	<a href="#">Ivan Dimitrijević</a>	New cosmological solution in nonlocal gravity
13	<a href="#">Jill Ecker</a>	The low-dimensional algebraic cohomology of the Witt and the Virasoro algebra with values in general tensor densities modules
14	<a href="#">Burkhard Eden</a>	Polylogarithms from the wrong matrix
15	<a href="#">Veselin Filev</a>	Critical point in a holographic defect field theory
16	<a href="#">James Fullwood</a>	On the geometric engineering of non-abelian gauge theories in F-theory
17	<a href="#">Alexander Ganchev</a>	A short overview of some theoretical aspects of learning
18	<a href="#">Dorin Ghisa</a>	Lie groups acting on non-orientable manifolds
19	<a href="#">Helge Glöckner</a>	Differential equations on infinite-dimensional Lie groups
20	<a href="#">Takuma Hayashi</a>	A construction of $(\mathfrak{g}, K)$ -modules over commutative rings
21	<a href="#">Malte Henkel</a>	Axiomatic construction of quantum Langevin equations
22	<a href="#">Michael Hewitt</a>	Disentanglement of representations, observations and moduli stacks
23	<a href="#">Jiří Hrivnák</a>	Graphene dots via discretizations of Weyl-orbit functions
24	<a href="#">Alexey Isaev</a>	Twistorial and space-time descriptions of massless infinite spin (super)particles and fields
25	<a href="#">Evgeny Ivanov</a>	Supersymmetric Calogero-type models via gauging in superspace
26	<a href="#">Masao Jinzenji</a>	Geometrical Proof of Generalized Mirror Transformation of Projective Hypersurfaces
27	<a href="#">Toshiyuki Kobayashi</a>	Regular representations on homogeneous spaces
28	<a href="#">Ivan Kostov</a>	The Octagon form factor as a determinant
29	<a href="#">Calin Lazaroiu</a>	Hidden symmetries of multifield cosmological models
30	<a href="#">Adrian Lim</a>	Observables in Loop Quantum Gravity
31	<a href="#">Chad Mungum</a>	Bosonic and Fermionic Free Field Representations of Various Lie Algebras
32	<a href="#">Alessio Marrani</a>	New groups "of type E"

33	<a href="#">John Mashford</a>	An introduction to spectral regularization in quantum field theory
34	<a href="#">William McGovern</a>	Closures of K-orbits in the flag variety for $GL(n)$
35	<a href="#">Victor Mouquin</a>	Symplectic groupoids over generalised Bruhat cells
36	<a href="#">Emil Nissimov</a>	Modified Gravity Theories Based on the Non-Riemannian Volume-Form Formalism
37	<a href="#">Yusuke Ohkubo</a>	Generalized Macdonald functions, AGT correspondence, intertwiners of DIM algebra
38	<a href="#">Roy Oste</a>	Some realizations of Lie superalgebras and centralizer projections
39	<a href="#">Herve Partouche</a>	Phase transitions at high supersymmetry breaking scale in string theory
40	<a href="#">Philip Phillips</a>	Fractional Electro-magnetism and Large Gauge Transformations
41	<a href="#">Todor Popov</a>	Quantum Weyl Group and Pseudo-Plactic Algebra
42	<a href="#">Erich Poppitz</a>	Higher form symmetry 't Hooft anomalies, phase structure, and domain walls
43	<a href="#">Severin Pošta</a>	Contractions of realizations of Lie algebras
44	<a href="#">Christos Ragiadakos</a>	A 4-d Lorentzian CR-Structure Dependent Field Theory
45	<a href="#">Fabio Riccioni</a>	Exotic branes and exotic dualities in supergravity
46	<a href="#">Chaiho Rim</a>	From minimal gravity to open intersection theory
47	<a href="#">Jorge Roldán-López</a>	Free Nilpotent Lie Algebras: Automorphisms and Derivations
48	<a href="#">Igor Salom</a>	Relativistic Three-Body Harmonic Oscillator
49	<a href="#">Gordon Semenoff</a>	Entanglement and the Infrared
50	<a href="#">Sergei Silvestrov</a>	Graded quasi Lie algebras and hom-Lie algebras structures
51	<a href="#">Luca Smaldone</a>	Lorentz and CPT symmetries for scalar field mixing
52	<a href="#">Andrei Smilga</a>	Hyperkaehler and HKT manifolds through supersymmetric glasses
53	<a href="#">Iliia Smilga</a>	Action of Weyl group on zero-weight space
54	<a href="#">Birgit Speh</a>	Branching Laws for Discrete Series of Some Affine Symmetric Spaces
55	<a href="#">Denitsa Staicova</a>	The multi-measure cosmological model and its peculiar effective potential
56	<a href="#">Cristi Stoica</a>	A representation of the wavefunction on the 3D-space
57	<a href="#">Stoimen Stoimenov</a>	Applications of meta-conformal invariance to directed spin systems
58	<a href="#">Ivan Todorov</a>	Exceptional quantum algebra for the Standard Model of particle physics
59	<a href="#">Jaroslav Trnka</a>	Hidden properties of the supersymmetric S-matrix
60	<a href="#">Joris Van der Jeugt</a>	A class of representations of the infinite-rank Lie superalgebra $B(\infty/\infty)$
61	<a href="#">Olena Vaneeva</a>	Transformation and normalization properties of evolution equations
62	<a href="#">Jakub Vašíček</a>	Symmetries and conservation laws for a generalization of Kawahara equation
63	<a href="#">Tsvetan Vetsov</a>	Thermodynamic geometry and applications in string theory
64	<a href="#">Marko Vojinovic</a>	3-categories, 3-groups, and unification of gravity and matter
65	<a href="#">Yupeng Wang</a>	Bethe states of quantum integrable models without $U(1)$ symmetry
66	<a href="#">Kentaro Yoshida</a>	Yang-Baxter deformation and its progress
67	<a href="#">Vladyslav Zinenko</a>	Classification of low-dimensional Lie algebras and computation of their characteristics
68	<a href="#">George Zoupanos</a>	Gauge theories: From Kaluza-Klein to Non-Commutative Gravity