

List of fully registered LT-14 Talks

1. Cristian Anghel : Lie algebroids and weight systems
2. Lilia Anguelova : Primordial black holes from rapid turns in two-field models
3. Sinya Aoki : Bulk reconstruction from a scalar CFT at the boundary by the smearing with the flow equation
4. Koichi Arashi : Coherent state representations of the holomorphic automorphism group of a bounded homogeneous domain
5. Hulya Arguz : Donaldson–Thomas invariants of quivers with potentials from the flow tree formula
6. Paolo Aschieri : Levi-Civita connection and noncommutative gravity
7. Tatyana Barron : Entanglement of mixed states in Kahler quantization
8. Vladimir Bavula : Simplicity criteria for rings of differential operators.
9. Almut Beige : Local quantum field theories and the Casimir effect
10. Asmus Bisbo : PBW-type bases for simple $osp(1|2n)$ -modules
11. Nikolay Bobev : The unreasonable effectiveness of higher-derivative supergravity in AdS_4 holography
12. Eugenia Boffo : Graded Poisson algebra and effective string actions
13. Jean-Emile Bourgine : Algebraic engineering and integrable hierarchies
14. Tomasz Brzezinski : Beyond rings and algebras
15. Āestmír Burdík : Traceformula for the RTT algebra of $sp(4)$ type
16. Marijana Butorac : Principal subspaces of standard modules of untwisted affine Lie algebras
17. Guillem Cazassus : Donaldson theory as a Hamiltonian field theory
18. Hadewijch De Clercq : Serre presentation for quantum symmetric pair coideals of Kac-Moody type
19. Branko Dragovich : Nonlocal gravity and its cosmology
20. Ferruccio Feruglio : Automorphic forms and fermion masses
21. Veselin Filev : Backreacted D0/D4 background
22. Tamar Friedmann : Euler’s reflection formula, infinite product formulas, and the correspondence principle of quantum mechanics
23. Chih-Hao Fu : BCJ duality as a physical realisation of the quantum algebra

24. Alexander Ganchev : About bidirectionality in learning, control, inference, physics, etc.
25. Richard Garavuso : Curvature constraints in heterotic Landau-Ginzburg models
26. Esther García : Ad-nilpotent elements in semiprime algebras with involution
27. Miguel Angel Gómez Lozano : \mathfrak{sl}_2 -triple and von Neumann regular elements in associative rings
28. Falk Hassler : Poisson-Lie T-duality, integrability and quantum corrections
29. Yang-Hui He : Machine-learning mathematical structures
30. Malte Henkel : Non-equilibrium dynamics of the quantum spherical model: exact solution
31. Jiří Hrivnák : Quantum particle on lattices in Weyl alcoves
32. Kwalombota Ilwale : Twisted connections on projective modules
33. Tsukasa Ishibashi : Wilson lines and their Laurent positivity
34. Palle Jorgensen : Unitary representations of Lie groups with reflection symmetry
35. Tekin Karadag : Lie structure on Hopf algebra cohomology
36. Mariana Kirchbach : Color confinement on the compactified Minkowski spacetime
37. Roland Kirschner : Representations of orthogonal and symplectic Yangians
38. Toshiyuki Kobayashi : Limit algebras and tempered representations
39. Slaven Kožić, Parafermionic bases of standard modules for affine Lie algebras
40. Folkert Kuipers : Space-time stochasticity and second order geometry
41. Alexis Langlois-Rémillard : Finite dimensional representations of the 3D dihedral Dunkl-Dirac symmetry algebra
42. Adela Latorre : Construction of hypersymplectic Lie algebras
43. Robin Lautenbacher : Representations of involutory subalgebras of affine Kac-Moody algebras
44. Karyn R.J. Le Hur : Spin-1/2 models in curved space, light response and quantum transport in topological states
45. Andre Lima : Ramond states of the D1-D5 CFT away from the free orbifold point
46. Florian Loebbert : Yangian symmetry for the masses

47. David Lowe : Holography in asymptotically flat spacetimes
48. S.N. Hazel Mak : Explorations of 10D & 11D superfield supergravity via Lie algebraic methods
49. Alessio Marrani : Theory of invariants in Maxwell-Einstein gravity
50. John Mashford : An eightfold way for QCD through 4-D conformal geometry
51. Toru Masuda : A new S-matrix formula and extension of the state space in open string field theory
52. Volodymyr Mazorchuk : Bigrassmannian permutations and Verma modules
53. Haruka Mori : Doubled aspects of algebroids and gauge symmetry in double field theory
54. Patrick Moylan : Velocity reciprocity in flat and curved space-time
55. Rubén José Muñoz Alcázar : A filtration associated to an abelian inner ideal and the speciality of the subquotient of a Lie algebra
56. Yuta Nasuda : Several exactly solvable quantum mechanical systems and the SWKB quantization condition
57. Fabrizio Nieri : Intersecting defects and supergroup gauge theory
58. Herve Partouche : Wavefunction of the universe: Diffeomorphism invariance and field redefinitions
59. Mateo Paulisic : Gauging the higher-spin-like symmetries by the Moyal product
60. Anne Pilkington : Reflection representations of Coxeter groups over non-commutative rings
61. Elena Poletaeva : Representations of principal W-algebra for the superalgebra $Q(n)$ and the super Yangian $YQ(1)$
62. Todor Popov : H-atom and AdS5 symmetry
63. Anton Pribytok : AdS_n integrable deformations, algebras and free fermion consistency
64. Sanjaye Ramgoolam : Four dimensional conformal field theory using representation theory and two dimensional topological field theory
65. Lucrezia Ravera : On the hidden symmetries of D=11 supergravity
66. Susanne Reffert : The large charge expansion
67. Igor Salom : Bethe states and Knizhnik-Zamolodchikov equations of the trigonometric Gaudin model with triangular boundary

68. José María Sánchez : On the structure of graded Lie algebras of order 3
69. Shin Sasaki : Integration of DFT algebroids and pre-rackoid in doubled geometry
70. Naoki Sasakura : Emergence of Lie group symmetries in oscillatory integrations in matrix and tensor models
71. Gizem Sengor : Principal and complementary series representations at the late-time boundary of de Sitter
72. Artur Sergyeyev : New (3+1)-dimensional integrable system with an algebraic nonisospectral Lax pair
73. Ood Shabtai : Pairs of spectral projections of spin operators
74. Malin Sjodahl : The chirality-flow formalism for standard model calculations
75. Andrei Smilga : Spin(7) instantons in eight dimensions
76. Ilia Smilga : Representations with vectors fixed by a Levi subgroup
77. Denitsa Staicova : Testing late time cosmic acceleration with uncorrelated baryon acoustic oscillations dataset
78. Stoimen Stoimenov : Regime of meta-conformal invariance in spherical model
79. Axel Tiger Norkvist : Minimal embeddings in noncommutative geometry
80. Ivan Todorov : Quantum algebra of the standard model
81. Olena Vaneeva : Generalization of the algebraic method for solving group classification problems
82. Guillermo Vera de Salas : Nilpotent superderivations in prime superalgebras
83. Patrizia Vitale : Jacobi sigma models
84. Yihong Wang : Examples of applications of quantum algebra in scattering amplitudes
85. S.R. Eric Yang : Topologically ordered interacting disordered graphene zigzag nanoribbon
86. Shuichi Yokoyama : Charge conservation, entropy current, and gravitation
87. George Zoupanos : $N = 1$ trinification from dimensional reduction of $N = 1$, 10D E_8 over $SU(3)/U(1) \times U(1) \times Z_3$