

# List of presentations

Simon Telen

December 1, 2023

1. *Tensors, polynomials and applications*, November 2023, Chemnitz Mathematical Colloquium, TU Chemnitz
2. *Twisted cohomology and likelihood ideals*, November 2023, Forschungsseminar Algebra und Theoretische Mathematik, TU Chemnitz
3. *Tensors, polynomials and applications*, November 2023, Tensor day, Università degli studi di Trento
4. *Chebyshev varieties*, October 2023, Seminar Algebra-Geometrie-Kombinatorik, TU Dresden
5. *Principal Landau Determinants*, October 2023, Tropical geometry and infrared divergences, IAS Princeton
6. *Principal Landau Determinants*, September 2023, MathemAmplitudes, Università di Padova
7. *Chebyshev varieties*, September 2023, Workshop on Computational and Applied Mathematics, on the occasion of Marc Van Barel's retirement, Selva di Fasano.
8. *Twisted cohomology and likelihood ideals*, August 2023, ICIAM, Waseda University, Tokyo.
9. *Structured root finding via eigenvalues: beyond toric varieties*, August 2023, workshop on hypergeometric functions, Kobe University.
10. *Structured root finding via eigenvalues: beyond toric varieties*, July 2023, SIAM Conference on Applied Algebraic Geometry, TU Eindhoven.
11. *Hilbert functions in computational algebraic geometry*, May 2023, Research Seminar Algebra, Friedrich-Schiller Universität, Jena.
12. *Toric varieties and Gibbs manifolds in convex optimization*, May 2023, Algebraic statistics seminar, Max Planck Institute for Mathematics in the Sciences, Leipzig.
13. *Hilbert functions in computational algebraic geometry*, April 2023, Dresden-Leipzig seminar Algebra and Geometry, University of Leipzig.
14. *Toric varieties and Gibbs manifolds in convex optimization*, March 2023, MATHEXP-PolSys seminar, Sorbonne Université, Paris.
15. *Twisted cohomology and likelihood ideals*, February 2023, guest lecture in Melody Chan's group meeting, Brown University.

16. *Twisted cohomology and likelihood ideals*, February 2023, Amplitudes Group Meeting, IAS Princeton.
17. *Toric varieties and Gibbs manifolds in convex optimization*, February 2023, Applied CATS seminar (online), KTH Stockholm.
18. *Amplituhedra of lines in three-space*, January 2023, Mini-Workshop on Positive Geometry, TU Munich.
19. *Vector spaces of generalized Euler integrals*, January 2023, Joint Mathematics Meetings, Boston.
20. *Numerical nonlinear algebra in particle physics*, November 2022, DIAMANT symposium, Leiden.
21. *Complexity of tensor decomposition and Hilbert functions*, November 2022, AGATES Algebraic Geometry and Complexity Theory, IMPAN, Warsaw.
22. *Toric geometry of entropic regularization*, November 2022, Oberseminar Algebra, Osnabrück.
23. *Toric geometry of entropic regularization*, October 2022, N&O seminar, CWI Amsterdam.
24. *Solving polynomial equations and applications*, October 2022, Workshop on Solving Polynomial Equations and Applications, CWI Amsterdam.
25. *Generalized Euler integrals: (co)homology and tropical numerics*, September 2022, ETH ITS Zürich.
26. *Toric geometry of entropic regularization*, July 2022, CTU Prague.
27. *Toric geometry of entropic regularization*, June 2022, MEGA 22 conference, Krakow.
28. *Toric geometry of entropic regularization*, May 2022, applied analysis seminar, MPI MiS Leipzig.
29. *Landau discriminants*, April 2022, Nonlinear algebra and combinatorics from physics, Harvard, Boston.
30. *Bayesian integrals on toric varieties*, April 2022, Mini-workshop on algebraic statistics, Harvard, Boston.
31. *Landau discriminants*, April 2022, ETH ITS Zürich.
32. *Tropical integration in physics and statistics*, April 2022, MPI MiS Leipzig.
33. *Discriminants from particle physics*, April 2022, Nonlinear algebra day, RWTH Aachen.
34. *Numerical nonlinear algebra in particle physics*, February 2022, Nonlinear algebra seminar online.
35. *Likelihood equations and scattering amplitudes*, February 2022, UC Riverside Algebraic Geometry Seminar (online).
36. *Toric techniques for solving sparse polynomial equations*, February 2022, KU Leuven, Leuven.

37. *Polyhedral homotopies in Cox coordinates*, January 2022, RSME, Ciudad Real.
38. *Landau Discriminants*, November 2021, IAS Princeton.
39. *Adjoint and Canonical Forms of Polypols*, September 2021, Nonlinear Algebra Seminar, MPI MiS Leipzig.
40. *A normal form method for numerical tensor rank decomposition*, August 2021, SIAM Conference on Applied Algebraic Geometry, Texas A&M (online).
41. *Likelihood Equations and Positive Geometries*, July 2021, Math of Data workshop, MPI MiS Leipzig.
42. *A normal form method for numerical tensor rank decomposition*, May 2021, Applied Algebra and Analysis Online Seminar.
43. *Likelihood Equations and Scattering Amplitudes*, May 2021, Seminar Diskrete Mathematik & Diskrete Geometrie.
44. *Likelihood Equations and Scattering Amplitudes*, April 2021, HEP seminars at Southampton.
45. *Eigenvalue methods for solving polynomial systems*, March 2021, N&O Seminar, CWI, Amsterdam.
46. *Likelihood Equations and Scattering Amplitudes*, March 2021, Algebraic Statistics Online Seminar.
47. *Likelihood Equations and Scattering Amplitudes*, February 2021, Geomplitudes, online meeting organized by UC Davis.
48. *Cox homotopies: tracking homogeneous coordinates on toric varieties*, January 2021, Joint Mathematics Meetings.
49. *Polyhedral Homotopies in Cox Coordinates*, November 2020, Nonlinear Algebra Seminar Online.
50. *Solving Polynomial Systems via Truncated Normal Forms*, October 2020, NumPi Seminar, Pisa.
51. *Numerical Root Finding via Cox Rings*, February 2020, Milestone conference of the thematic Einstein semester ‘Algebraic Geometry’, Berlin.
52. *Numerical Root Finding via Cox Rings*, January 2020, Forschungsseminar Diskrete Mathematik/Geometrie, TU Berlin.
53. *Truncated Normal Forms*, December 2019, Algorithmic Algebra Seminar, TU Berlin.
54. *Numerical Root Finding via Cox Rings*, November 2019, Seminar Algebraische Geometrie, FU Berlin.
55. *Robust Numerical Path Tracking in Polynomial Homotopies*, July 2019, ICIAM conference, Valencia.

56. *Solving nonlinear eigenvalue problems using contour integration*, July 2019, ICIAM conference, Valencia.
57. *Numerical Root Finding via Cox Rings*, July 2019, SIAM AG19, Bern.
58. *Robust Numerical Path Tracking in Polynomial Homotopies*, April 2019, NUMA seminar, Department of Computer Science, KU Leuven.
59. *Stabilized Algebraic Methods for Multivariate Polynomial Root Finding*, March 2019, CIIRC Prague.
60. *Stabilized Algebraic Methods for Multivariate Polynomial Root Finding*, December 2018, MPI MiS Leipzig.
61. *Structured Matrices in Polynomial System Solving*, May 2018, SIAM Conference on Applied Linear Algebra (SIAM-ALA18), Hong Kong.
62. *Polynomial System Solving through Stabilized Representation of Quotient Algebras*, April 2018, BYU, Provo.
63. *Polynomial System Solving and Numerical Linear Algebra*, July 2017, SIAM AG17, Georgia Tech, Atlanta.
64. *Matrices in polynomial system solving*, May 2017, Rencontre en Algèbre Linéaire Numérique Amiens-Calais, Amiens.
65. *Systems of Polynomial Equations and Numerical Linear Algebra*, May 2017, NUMA seminar, KU Leuven.
66. *Solving Systems of Polynomial Equations*, July 2016, International Linear Algebra Society (ILAS) conference, Leuven.