

Geometry and Topology Conference

Speakers and titles

Monday

Daniel Ruberman (Brandeis University): Panorama talk on Exotica

Ansel Goh (University of Texas at Austin): h-cobordisms between simply connected 4-manifolds with boundary

Isacco Nonino (University of Glasgow): Pseudo-isotopies of topological 4-manifolds

Simone Tagliente (Rényi Institute, ELTE): Exotic 4-manifolds with $\mathbb{Z}/4k$ fundamental group

Lisa Piccirillo (University of Texas at Austin): Ideal broken Lefschetz fibrations

Inanc, Baykur (University of Massachusetts Amherst): Exotica via symplectica

Sungkyung Kang (University of Cambridge): Exoticness of Dehn twists in dimension 4

Tuesday

Gordana Matić (University of Georgia): Panorama talk on Symplectic Geometry

Márton Beke (Rényi Institute, BME): An unexpected rational blowdown

Nancy Mae Eagles (University of California, Berkeley): Invariants of Legendrians in thickened convex surfaces

Hanming Liu (University of Oregon): Partially wrapped contact Fukaya categories of 1-jet spaces

Laura Starkston (UC Davis): Sandwiched singularities, symplectic fillings, braided planar surfaces, and wiring diagrams

Luya Wang (Princeton University and Institute for Advanced Study): Complements of submanifolds in 4-dimensional Weinstein domains

Marco Golla (University of Nantes): Topological (non-)realisability of line arrangements

Andrew Lobb (University of Durham): Recent progress in peg problems

Wednesday

Peter Ozsváth (Princeton University): Panorama talk on Heegaard Floer homology

Alberto Cavallo: Heegaard Floer homology and maximal twisting numbers

Patricia Sorya (University of Ottawa): Persistence modules and ribbon concordance

Hongyi Zhou (University of Michigan): Unknotting number and L-space satellite operators

Adam Levine (Duke University): Knot Floer homology, bordered Floer homology, surgery modules, and immersed curves

Jennifer Hom (Georgia Institute of Technology): Distinguishing exotic R^4 's with Heegaard Floer homology

Thursday

Peter Kronheimer (Harvard University): Panorama talk on Gauge Theory

Hayato Imori (KAIST): Untwisting number and singular instantons

Andres David Ramirez Ruiz (University of Miami): $SU(3)$ representations of S^3/Q_8

Tom Mrowka (Massachusetts Institute of Technology): Knot homologies: from the perspective of gauge theory

Aliakbar Daemi (Washington University in St. Louis): What can we learn from instantons if we don't think rationally?

Jean Al Ani (University of Liverpool) (joint with Anna Pratoussevitch (University of Liverpool): Higher Spin Structures on Klein Orbifolds

Ludovico Battista (Max Planck Institute): Can You Hear the Shape of a Hyperbolic Marimba?

Maria Rita Casali and Paola Cristofori (University of Modena and Reggio Emilia): Kirby Diagrams, Trisections and Gems

Alessandro V. Cigna (King's College London): A Dual Graph Approach to the Thurston Norm

Gary D. Dunkerley (University of Georgia): Ribbon Minimality of Links via Heegaard Floer Detection Results

Nancy Mae Eagles (University of California at Berkeley) (joint with Zijian Rong (University of Southern California): Invariants of Legendrian Knots in Thickened Convex Surfaces

Adrián Olivares Fernández (Universitat Jaume I) (joint with Patricio Almirón (Universidad de Valladolid): Topological Representations of Free Numerical Semigroups via Iterated Torus Knots

Dominik Gdesz (University of Wrocław): Low-dimensional Spin Bundles and a New Embedding of $\mathbb{RP}^7$

Douwe Hoekstra (Utrecht University) (joint with Mélanie Theillière (Université de Rennes): Holonomic Approximation from Convex Integration

Luka Marčič (University of Ljubljana) (joint with Eva Horvat (University of Ljubljana): Ribbon Concordance Quandles

Monica Sing (Princeton University): On Morse Theory, Handle Decompositions and Knots

Clay Lecture: John Morgan (Columbia University) Physics, Loop Groups, and Low Dimensional Topology

Friday

Maggie Miller (University of Texas At Austin): Panorama talk on Knots and Surfaces

Alessio Di Prisa (Scuola Normale Superiore): Every negative amphichiral knot is rationally slice

Marc Kegel (Universidad de Sevilla): Manifolds with unique surgery descriptions

Clayton McDonald (Rényi Institute): Knots of low rational genera

Deepanshi Saraf (IISER Tirupati): Residual Finiteness in Fundamental Knot Invariants

John Baldwin (Boston College): Ribbon concordance and fibered predecessors

Claudius Zibrowius (Ruhr University Bochum): Khovanov homology and Conway mutation