Spring-2024

January 17th Organizational meeting

January 24th Johnathan Bush Gromov-Hausdorff distances, Borsuk-Ulam theorems, and Vietoris-Rips complexes

January 31st Luca Di Cerbos visitor

February 7th Boris Okun, University of Wisconsin-Milwaukee Homology growth of finite covers

February 14th Luca Di Cerbo, Complex structures on 4-manifolds

February 21st Luigi Lombardi, University of Milan, On the invariance of Hodge numbers under derived equivalence of varieties with non trivial Albanese map

February 28th Hubert Wagner, Topology-preserving preprocessing of cubical filtrations

March 7th Peter Bubenik, Singular homology of roots of unity

March 21st Phil Boyland, When Topology forces Dynamics

March 28th Michael Zarichnyi, Proper universal metric spaces for asymptotic dimension

April 4th Adi De Saha, On Cohomological Dimension of Group Homomorphisms

April 11th Andrew Yarmola, Princeton University, On knots in tangent bundles

April 18th LeBrun, Stony Brook, Einstein Manifolds, Self-Dual Weyl Curvature, and Conformally Khler Geometry

April 25th Dan Guralnik, MAE UF, Reconfigurable systems: an autonomy perspective.

Fall-2024

August 27 N/A Organizational Meeting

September 10 Henry Adams Persistent equivaraint cohomology I

September 17 Adi DeSaha Persistent equivariant cohomolory II

September 24 Hubert Wagner Understanding Higher-Order Interactions in Information Space

October 1 Ekansh Jauhari On distributional Lusternik-Schnirelmann category of manifolds

October 8 Barbara Giunti, SUNY Albany Projective approximations

October 15 Sucharita Mallick Anti-Vietoris–Rips metric thickenings and Borsuk graphs

October 22 Tuyen Pham Potential definitions the Bregman–Hausdorff divergence

October 29 Yeor Hafuta Cancelled

November 5 Chris Kapulin, Univ of Western Ontario Introduction to Homotopy Type Theory

November 12 Daniel Carranza, Johns Hopkins Univ Nonexistence of colimits in naive discrete homotopy theory

November 19 Aaron Thrasher Price Inequality and the Growth of Harmonic Functions on Nonpositively Curved Manifolds