2021
Spring-2021

January 19th Organizational meeting
January 26th Dmitri Burago, Penn State University On some unsolved problems in Geometry and around
February 2nd Nikola Milicevic Simplicial and cubical homologies of closure spaces
February 9th Rustam Sadykov, Kansas State University, On non-orientable surfaces embedded in 4-manifolds
February 16th Jamie Scott, On the Topological Complexity of Maps
February 23rd Luca Di Cerbo On the Thick-Thin decomposition
March 2nd Steve Trettel, Stanford University Raymarching the Thurston Geometries: visual intuition for geometric topology in 3 dimensions
March 9th Jacek Brodzki, University of Southampton, UK Gyroscopes and topology
March 16th Alex Dranishnikov On Gromovs Scalar Curvature Conjecture
March 23rd Alex Elchesen Virtual Persistence Diagrams, Wasserstein Distance, and Universality
March 30th Iryna Hartsock Properties of the space of persistence diagrams
April 6th Phil Boyland Generalizing pseudoAnosov maps
April 13th Stefano Vidussi, UC Riverside Algebraic fibrations of surface-by-surface groups
April 20th Martina Scolamiero, KTH Extracting persistence features with hierarchical stabilisation

Fall-2021
August 31st Organizational meeting (on Zoom)
September 14th Xiaolong Hans Han, Yau Mathematical Center at Tsinghua University, Norms on cohomology of non-compact 3-manifolds and harmonic forms
September 21th Jamie Scott, Surgery Applications to Generalized Rudyaks conjecture
September 28th Kevin Knudson, Discrete Stratified Morse Theory
October 5th Hubert Wagner, Borsuk, Shannon, and Hebb walk into a bar: or on the topology of neural information processing
October 12th Johnathan Bush, VietorisRips metric thickenings
October 19th Johnathan Bush, VietorisRips metric thickenings.II
October 26th Robin Tucker-Drob, Dynamical alternating groups and inner amenability
November 2nd Luca Di Cerbo, Extended graph manifolds, and Einstein metrics
November 9th Michael Albanese, Universit du Quebec Montral (UQAM), The Yamabe Invariant of Complex Surfaces
November 16th Peter Bubenik, Multiparameter persistent homology via generalized Morse theory
November 30th Alex Dranishnikov, On Free Topological Groups
December 7th Lauren Wickman, On the universal minimal flow of the homeomorphism group of a Knaster continuum