

Workshop and winter School Geometric and Topological Analysis GTDA

January 20 – 24, 2020
 “José Ángel Canavati Ayub” Auditorium (G002)
 CIMAT, Guanajuato

	Monday	Tuesday	Wednesday	Thursday	Friday	
9:00 – 9:30	Registration					
9:30 – 11:00	<i>Algebraic tools in multiparameter persistent homology</i> Hal Schenck Iowa State University	<i>Random cubical complexes</i> Erika Roldán The Ohio State University		<i>Geometric complexes in applied topology</i> Henry Adams Colorado State University		
11:00 – 11:30	Coffee					
11:30 – 12:30	<i>Topological data analysis for time series using witness complexes</i> Nicole Sanderson University of Colorado Boulder	<i>Geometric perspectives on multiparameter persistence</i> Michael Catanzaro Iowa State University	<i>Simplicial complexes associated to a surface and probabilistic methods</i> Noé Bárcenas CCM, UNAM-Morelia	<i>Tournaplexes</i> Dejan Govc University of Aberdeen	<i>Towards an application driven extension of Forman's discrete Morse theory to multi-parameter functions</i> Tomasz Kaczynski Université de Sherbrooke	
12:30 – 13:30	TBA Oliver Gäfvert KTH	<i>Graded persistence diagrams and persistence landscapes</i> Parker Edwards University of Florida		<i>A notion of harmonic clustering in simplicial complexes</i> Stefania Ebli Ecole polytechnique fédérale de Lausanne	TBA Facundo Mémoli The Ohio State University	
13:30 – 15:00	Lunch					
15:00 – 16:30	<i>Algebraic tools in multiparameter persistent homology</i> Hal Schenck Iowa State University		Free afternoon		<i>Random cubical complexes</i> Erika Roldán The Ohio State University	<i>Geometric complexes in applied topology</i> Henry Adams Colorado State University
16:30 – 17:00	Coffee				Coffee	
17:00 – 18:00	<i>Limit theorems for topological invariants of the dynamic multi-parameter simplicial complex</i> Takashi Owada Purdue University	17:00 – 18:30 Poster Session		<i>Limit theorems for Betti number and Euler characteristic processes</i> Andrew Thomas Purdue University		
18:30	Taquiza					

