

5ta ESCUELA DE ANALISIS TOPOLOGICO DE DATOS

November 19 – 23, 2018

Auditorio “José Ángel Canavati Ayub”

Program

	MONDAY NOV. 19	TUESDAY NOV.20	WEDNESDAY NOV. 21	THURSDAY NOV. 22	FRIDAY NOV. 23
9:30 – 11:00	<i>Resolving persistent homology</i> Ezra Miller Duke University		<i>The geometry of synchronisation problems and group actions</i> Jacek Brodzki Southampton		<i>Learning varieties from samples</i> Sara Kalisnik Wesleyan University
11:00 – 11:30	Coffee break				
11:30 – 12:30	<i>Topology, neuroscience and learning</i> Daniela Egas Santander EPFL	<i>Computer algebra: formalization and applications to network reliability and biomedical image processing</i> Eduardo Sáenz de Cabezón Universidad de La Rioja	<i>Rigidity, mapping class groups and stochastic topology</i> Noé Bárcenas CCM-UNAM	<i>Homotopy and the Vietoris-Rips homology</i> Antonio Rieser CONACYT-CIMAT	<i>Classification of Short ECG Readings via Topological Time Series Analysis</i> Paul S. Ignacio University of Iowa/ University Philippines Baguio
12:30 – 14:00	Lunch				
14:00 – 15:30	<i>Resolving persistent homology</i> Ezra Miller Duke University	<i>The geometry of synchronisation problems and group actions</i> Jacek Brodzki Southampton	Free afternoon	<i>Learning varieties from samples</i> Sara Kalisnik Wesleyan University	
15:30 – 16:00	Coffee break			Coffee break	
16:00 – 17:00	<i>Efficient computation of multiparameter persistent homology</i> Abraham Martín del Campo CONACYT-CIMAT	Poster Session		<i>Persistent homology in natural language processing</i> Jesús Rodríguez Viorato CONACYT-CIMAT	<i>Topological filtering of noisy signals and modulus of continuity</i> Rolando Biscay CIMAT