

WORKSHOP IN GEOMETRIC TOPOLOGY

University of Wisconsin- Milwaukee

Milwaukee, Wisconsin

May 30 to June 1, 2019

All talks will be in room EMS E190. This room is equipped with sliding white boards, a computer, a projector, and a laser pointer/clicker.

Thursday, May 30, 2019

Time	Speaker	Title
8:00-8:50	Registration and breakfast - EMS E424A	
8:50-9:00	Scott Gronert, Dean College of Letters and Sciences	Welcome
9:00-9:20	Jonah Gaster McGill University	Discrete harmonic maps between hyperbolic surfaces
9:30-9:50	Arka Banerjee University of Wisconsin-Milwaukee	Coarse Alexander Duality
10:00-10:20	Mat Timm Bradley University	The Schur Multiplier of a Generalized Baumslag-Solitar Group
10:30-11:00	Break	
11:00-12:00	Ciprian Manolescu University of California, Los Angeles	Talk 1: Triangulations of manifolds
12:00-1:30	Lunch	
1:30-1:50	Adam Howard Montana State University	Trisections of 4-manifolds
2:00-2:20	Sudipta Kolay Georgia Institute of Technology	Braid index of knotted surfaces
2:30-2:50	Jun Li University of Michigan	Smooth and symplectic isotopy on rational 4-manifolds
3:00-3:20	Mark Hughes Brigham Young University	Describing surfaces and isotopies in 4-manifolds via banded unlinks
3:30-4:00	Break	
4:00-4:20	John Ratcliffe Vanderbilt University	Salem numbers and arithmetic hyperbolic group
4:30-4:50	Qayum Khan Saint Louis University	Countable approximation of topological $SG\mathbb{S}$ -manifolds
5:00-5:20	Greg Friedman Texas Christian University	What is sheaf cohomology?

Friday, May 31, 2019

Time	Speaker	Title
8:00-9:00	Breakfast EMS E495	
9:00-9:20	Surena Hozoori Georgia Institute of Technology	Dynamics and Topology of Conformally Anosov Contact 3-Manifolds
9:30-9:50	Geunho Lim Indiana University	Cheeger-Gromov L^2 rho-invariants of 3-manifolds
10:00-10:20	Michael Harrison Lehigh University	Fibrations of R^3 by lines
10:30-11:00	Break	
11:00-12:00	Ciprian Manolescu University of California, Los Angeles	Talk 2: Seiberg-Witten theory and homology cobordism
12:00-1:30	Lunch	
1:30-1:50	Ric Ancel University of Wisconsin-Milwaukee	Spaces for which cohomological dimension equals dimension
2:00-2:20	Matthew Lynam East Central University	Approximate Inverse Limits and (m,n) -dimensions
2:30-2:50	Atish Mitra Montana Tech	Coarse Extension Theory and some C^* algebras
3:00-3:20	Leonard Rubin University of Oklahoma	Generalized Suspension Theorem in Extension Theory
3:30-4:00	Break	
4:00-4:20	Eric Freden Southern Utah University	From EDTOL languages to generating functions
4:30-4:50	Pawel Grzegzolka University of Tennessee	Boundaries of spaces
5:00-5:20	Timothy Schroeder Murray State University	Right-angled mock reflection surfaces

6:30-∞	Dinner at Ancels'	
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Saturday, June 1, 2019

Time	Speaker	Title
8:00-9:00	Breakfast EMS E495	
9:00-9:20	Linh Truong Columbia University	An infinite rank summand of the homology cobordism group
9:30-9:50	Jiawei Zhou University of California, Irvine	A-infinity minimal models of differential graded algebras
10:00-10:20	Jacob Pichelmeyer Kansas State University	Genera of knots in CP^2
10:30-11:00	Break	
11:00-12:00	Ciprian Manolescu University of California, Los Angeles	Talk 3: Involutive Heegaard Floer homology
12:00-12:30	Problem Session	
12:30-2:00	Lunch	
2:00-∞	Outing	