

# Saturday, April 7th

8:00 - 9:00	Registration & coffee & bagels <small>LCA &amp; LCF common areas</small>			
9:00 - 10:00 1ST PLENARY SESSION	Coloring maps on surfaces Ian Agol <small>LCA A1</small>			
10:00 - 10:15	Break			
10:15 - 10:45 1ST GRADUATE STUDENT SESSION	Associative and Cayley Grassmannians  Ustun Yildirim <small>LCF F1</small>	Cycle index sum for non- $k$ -equal configurations  Keely Grossnickle <small>LCF F3</small>	Holomorphic retracts of Teichmüller space  Dmitri Gekhtman <small>LCF F4</small>	Hyperbolization on infinite type 3-manifolds  Tommaso Cremaschi <small>LCF F6</small>
10:45 - 11:00	Break			
11:00 - 11:30 2ND GRADUATE STUDENT SESSION	Positive Ricci curvature on manifolds with large torus actions  Diego Corro Tapia <small>LCF F1</small>	Relating quotients by abelian and nonabelian groups  Rachel Webb <small>LCF F3</small>	Application of combinatorial bordered Heegaard Floer  Rebecca MacKinnon <small>LCF F4</small>	Cubulable quotients of free products  Ben Stucky <small>LCF F6</small>
11:30 - 11:45	Break			
11:45 - 12:45 1ST YOUNG FACULTY SESSION	Lifting curves on surfaces via 3-manifolds and the curve complex  Priyam Patel <small>LCF F1</small>		The fiber of the persistence map and other problems from TDA  Justin Curry <small>LCF F4</small>	
12:45 - 2:00	Lunch			
2:00 - 3:00 2ND PLENARY SESSION	Geometric evolution equations Natasa Sesum <small>LCA A1</small>			
3:00 - 3:15	Break			
3:15 - 3:45 3RD GRADUATE STUDENT SESSION	Collapse via Cheeger deformations  Lawrence Mouillé <small>LCF F1</small>	Geometric finiteness in negatively pinched Hadamard manifolds  Beibei Liu <small>LCF F3</small>	Metric thickenings of Euclidean submanifolds  Joshua Mirth <small>LCF F4</small>	Stable commutator length in generalized Baumslag-Solitar groups  Lvzhou Chen <small>LCF F6</small>
3:45 - 4:00	Break			
4:00 - 5:00 2ND YOUNG FACULTY SESSION	Surface group actions on complex flag varieties  Andrew Sanders <small>LCF F1</small>		Counting curves on a hyperbolic surface  Jenya Sapir <small>LCF F4</small>	

GSTGC 2018 Schedule

# Sunday, April 8th

8:30 - 9:00	Coffee & bagels <small>LCA common area</small>			
9:00 - 9:30  4TH GRADUATE STUDENT SESSION	<b>New examples of hidden symmetry free hyperbolic knots</b>  Priyadip Mondal <small>LCF F1</small>	<b>The Heisenberg plane</b>  Steve Trettel <small>LCF F3</small>	<b>Degeneration of abelian differentials and period matrices</b>  Xuntao Hu <small>LCF F4</small>	<b>An application of Salem numbers to braid group representations</b>  Nancy Scherich <small>LCF F6</small>
9:30 - 9:45	Break			
9:45 - 10:15  5TH GRADUATE STUDENT SESSION	<b>Characteristic numbers of manifold bundles over surfaces with highly connected fibers</b>  Jens Reinhold <small>LCF F1</small>	<b>Symmetric spaces as moduli spaces</b>  Mark Greenfield <small>LCF F3</small>	<b>What is a synthetic spectrum?</b>  Piotr Pstrągowski <small>LCF F4</small>	<b>Equidistribution and counting in Hilbert geometry</b>  Feng Zhu <small>LCF F6</small>
10:15 - 10:30	Break			
10:30 - 11:00  6TH GRADUATE STUDENT SESSION	<b>A lower bound for the double slice genus</b>  Wenzhao Chen <small>LCF F1</small>	<b>Spherical metrics with conical singularities on 2-spheres</b>  Subhadip Dey <small>LCF F3</small>	<b>A spectral sequence for Dehn fillings</b>  Oliver Wang <small>LCF F4</small>	<b>Sliding window embeddings of quasiperiodic functions</b>  Hitesh Gakhar <small>LCF F6</small>
11:00 - 11:15	Break			
11:15 - 12:15  3RD YOUNG FACULTY SESSION	<b>On minimizers and critical points for anisotropic isoperimetric problems</b>  Robin Neumayer <small>LCF F1</small>		<b>Geometry and dynamics of free group automorphisms, and their connections to low dimensional topology</b>  Caglar Uyanik <small>LCF F4</small>	
12:15 - 1:00	Pizza lunch			
1:00 - 2:00  3RD PLENARY SESSION	<b>Quantitative aspects of topology</b> Shmuel Weinberger <small>LCA A1</small>			
2:00 - 2:15	Break			
2:15 - 2:45  7TH GRADUATE STUDENT SESSION	<b>The dimension of the restricted Hitchin component for triangle groups</b>  Elise Weir <small>LCF F1</small>	<b>Random Coxeter groups</b>  Angelica Deibel <small>LCF F3</small>	<b>Stable limits of polygon spaces</b>  Jack Love <small>LCF F4</small>	<b>Irreducible embeddings and equivariant twisted fiber sums</b>  Andrew Havens <small>LCF F6</small>