

# Geometry and Analysis 2018, Schedule

Location: South Hall 6635

## Friday, May 04, 2018

9:00-9:50	M. Gursky: <i>Obstructions to the existence of conformally compact Einstein manifolds</i>
10:10-11:00	D. Zhou: <i>Eigenvalues on Self-expanders of mean curvature flows</i>
11:20-12:10	R. Graham: <i>Geodesic flow, X-ray transform, and boundary rigidity on asymptotically hyperbolic manifolds</i>
12:20-1:45	Lunch
2:00-2:50	C. Searle: <i>4-dimensional positively curved regular Alexandrov spaces with circle symmetry</i>
3:10-4:00	C. Mantoulidis: <i>Minimal surfaces and the Allen-Cahn equation on 3-manifolds</i>
4:30-5:20	X. Rong: <i>Collapsed manifolds with Ricci local bounded covering geometry</i>

## Saturday, May 05, 2018

9:00-9:50	W. Zhang: <i>Positive scalar curvature and the Euler class</i>
10:10-11:00	H. Wang: <i>Higher Nahm transform in noncommutative geometry</i>
11:20-12:10	M. Varghese: <i>Positive scalar curvature via end-periodic manifolds and generalized eta invariants</i>
12:20-1:45	Lunch
2:00-2:50	A. Fraser: <i>Shape optimization for an eigenvalue problem on manifolds with boundary</i>
3:10-4:00	R. Haslhofer: <i>Minimal two-spheres in three-spheres</i>
4:30-5:20	M. Wang: <i>Examples of ancient Ricci flows on bundles</i>
6:00	Banquet: <i>Faculty club, UC Santa Barbara</i>

## Sunday, May 06, 2018

9:00-9:50	R. Mazzeo: <i>Some new aspects in gauge theory</i>
10:10-11:00	L. Chen: <i>A geometric approach to Milnor's problem on group growth</i>
11:20-12:10	H. Li: <i>Variational problems for Riemannian functionals and the Generalized Willmore conjecture</i>