

SCHEDULE, 2016 LEHIGH GEOMETRY/TPOLOGY CONFERENCE

FRIDAY, MAY 27

8:00-9:00. Breakfast, Neville Lobby

9:00-11:00 Registration, Neville Lobby.

11:00-12:00, NV I. Joseph Fu, University of Georgia

Curvature measures, valuations, and integral geometry.

12:00-1:30. Lunch

1:30-2:10.

NV II. Zachary McGuirk, The Graduate Center, CUNY

Conical Curvature-Dimension Condition.

NV III. Byungdo Park, CUNY GC

A geometric model of twisted differential K-theory

2:20-3:00.

NV II. Atsushi Kanazawa, Harvard University

SYZ mirror symmetry and modular forms.

NV III. Daniel Kling, Folded Structures Company, LLC

Some Colorings on CW-Complexes.

XS 201. Roberto De Leo, Howard University

Solvability of the Cohomological Equation for regular vector fields on the plane.

3:10-3:50.

NV II. Sylvester Eriksson-Bique, NYU

Quantitative Bi-Lipschitz embeddings of bounded curvature manifolds and orbifolds.

NV III. Boris Goldfarb, SUNY-Albany

Computing K-theory of infinite geometric groups.

XS-201. Uladzimir Shtukar, North Carolina Central U.

New Method to Classify Subalgebras and Reductive Pairs at Lie Algebras.

4:15-5:15 NV I. Chiu-Chu Melissa Liu, Columbia U.

MSP fields, GW theory of the quintic threefold, and FJRW theory of the Fermat quintic.

SATURDAY, MAY 28

8:00-9:00. Breakfast, Neville Lobby**9:00-10:00, NV I.** Luca Capogna, Worcester Polytechnic Institute (WPI)*Liouville type theorem for quasiconformal mappings in subRiemannian manifolds.***10:20-11:00.****NV II.** Don Davis, Lehigh University*Topological complexity of some spaces of polygons.***NV III.** Peter Conner, Indiana University South Bend*Gluing constructions for embedded doubly periodic minimal surfaces in \mathbb{R}^3 .***11:20-12:00.****NV II.** Robert Short, Lehigh University*Topological complexity of spaces of polygonal chains.***NV III.** Cuneyt Ferahlar, Lehigh University*A Weitzenbock formula on compact complex manifolds.***XS-201.** Sajjad Lakzian, Fordham University*Characterization of Low Dimensional $RCD(K, N)$ spaces.***12:00-1:30.** Lunch**1:30-2:30, NV I.** Robert Ghrist, U. Pennsylvania*Sheaf Theory: Applications & Computations.***2:45-3:25.****NV II.** Mike Harrison, Pennsylvania State U.*k-convex immersions.***NV III.** Raquel Perales, MSRI*Intrinsic Flat Convergence of Alexandrov Spaces.***XS-201.** Chenxu He, University of California, Riverside*Fake Projective Spaces with Cohomogeneity One Actions and Their Curvatures.***3:30-4:00 NV II.** Frank Morgan, Williams College*The Future of the AMS Notices.***4:20-5:20 NV I.** Christina Sormani, CUNYGC/Lehman*Recent Results on Intrinsic Flat Convergence.*

6:00-7:00 UC, 3rd Floor Faculty Lounge. Reception

7:00-9:00 UC, Asa Packer Dining Hall, 3rd Floor. Banquet (See David Johnson for availability)

SUNDAY, MAY 29

8:00-9:00. Breakfast, Neville Lobby

9:00-9:40.

NV II. Robert Foote, Wabash College

Stronger versions of Wirtinger's inequality.

NV III. Anton Lukyanenko, University of Michigan

Nets and quasi-crystals in nilpotent groups.

10:00-11:00 NV I. Valentino Tosatti, Northwestern U.

The Ricci flow on compact Kähler manifolds.