

## SCHEDULE, 2016 LEHIGH GEOMETRY/TOPOLOGY 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.*