SCHEDULE, 2015 LEHIGH GEOMETRY/TOPOLOGY CONFERENCE

FRIDAY, MAY 22

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

11:00-12:00, NV I. Michael Farber, Queen Mary University of London

Topology of large random spaces.

12:00-1:30. Lunch

1:30-2:30, NV I. Martin Bendersky, Hunter College

On the work of Don Davis.

2:40-3:10.

NV II. Michael Ching, Amherst College

Classification of Taylor towers for invariants of structured ring spectra.

NV III. MyIsmail Mamouni, CRMEF Rabat, Morocco

String topological robotics.

3:30-4:00.

NV II. Tulsi Srinivasan, University of Florida

The Lusternik-Schnirelmann category of Peano continua.

NV III. David White, Denison University

Baez-Dolan Stabilization and the Importance of Left Properness.

NV I. Lizhi Chen, Chern Institute, Nankai University

Systolic freedom of 3-manifolds.

4:10-5:10, NV I. Doug Ravenel, University of California, Riverside

Metrics of Almost Non-negative Curvature on certain Exotic $RP^6$'s.

5:10-7:00. Dinner at local restaurants (on your own)

7:00-10:00. Party at Don Davis' (directions in packet)
SATURDAY, MAY 23, MORNING

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

9:00-10:00, NV I. Mike Hopkins, Harvard University
TBA.

10:10-10:40.

NV II. Tom Shimkus, U. Scranton
Towards necessity of Strong partitioning conditions.

NV III. Li Chin, University of the District of Columbia
Digital Geometry and Digital Topology.

NV I. Yuan-Jen Chiang, University of Mary Washington
Some Properties of Transversally f-biharmonic Maps.


NV II. Wojciech Chacholski, KTH
Idempotent symmetries of groups and spaces.

NV III. Ron Umble, Millersville University of PA
Biassociahedra revisited.

NV I. Peng Wu, Cornell University
A Weitzenbock formula for canonical metrics on four-manifolds and applications.

11:30-12:00.

NV II. Jesus Gonzalez, Cinvestav
Topological complexity of some polyhedral product spaces.

NV III. Nersés Aramyan, University of Illinois, Urbana-Champaign
The Integration Pairing and Extended Topological Field Theories.

NV I. Rob Kusner, University of Massachusetts
Critical Configurations of Hard Disks on the 2-Sphere.

12:00-1:30. Lunch

1:00-1:30, NV II. Frank Morgan, Williams College
Discussion session on future of the AMS Notices.
SATURDAY, MAY 23, AFTERNOON

1:30-2:30, NV I. Dennis Sullivan, Stony Brook University and City University of New York
Poincaré Duality and Projective Geometry.

2:40-3:10.

NV II. Philip Egger, Northwestern University
$v_2$ periodicity of $A_1$.

NV I. Jim Stasheff, UNC-CH and U Penn
The mathematics of higher spin particles.

3:30-4:00.

NV II. John McCleary, Vassar College
Closed geodesics on manifolds that are elliptic spaces.

NV III. Jonathan Beardsley, Johns Hopkins University
Hopf Galois Extensions in Infinity Categories with some examples.

NV I. Tom Needham, University of Georgia
Grassmannian coordinates on the space of framed curves.

4:10-5:10, NV I. Kathryn Hess, École Polytechnique Fédérale de Lausanne
Delooping the space of long embeddings.

6:00-7:00, Reception. Asa Packer Lobby (3rd Floor of the University Center)

7:00-10:00, Banquet. Asa Packer Room, University Center
SUNDAY, MAY 24

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

9:00-10:00, NV I. Paul Goerss, Northwestern University
Algebraic and topological duality in stable homotopy theory.

10:10-10:40.

NV II. Justin Smith, Drexel University
Steenrod coalgebras.

NV III. Roberto De Leo, Howard University
Topology of planar sections of the skew polyhedron \{4, 6|4\}.

NV I. Priyanka Rajan, University of California, Riverside
Metrics of Almost Non-negative Curvature on certain Exotic \(\mathbb{R}P^6\)'s.


NV II. Daniel Davis, University of Louisiana
For the Ausoni-Rognes conjecture at \(n = 1, p > 3\): a strongly convergent descent spectral sequence.

NV III. Yumi Boote, University of Manchester
Quaternionic projective space, \(Pin(4)\), and the symmetric square.

11:30-12:00.

NV II. John Harper, University of Rochester
An application of differentiable transformation groups to finite H-space theory.

NV III. Marco Varisco, University at Albany, SUNY
Algebraic K-theory of group rings and the cyclotomic trace map.

NV I. Dmytro Yeroshkin, Syracuse University
On Poincaré Duality for Orbifolds.

12:10-1:10 NV I. Gunnar Carlsson, Stanford University and Ayasdi Corp.
The topology of finite metric spaces.