

**LEHIGH UNIVERSITY GEOMETRY
AND TOPOLOGY CONFERENCE**

TENTATIVE SCHEDULE

All talks are in Rauch Business Center, in indicated rooms.

Thursday, June 8, 1995

11:00-12:00. Tom Ilmanen (Wisconsin). *Nonuniqueness in Geometric Heat Flows* (184)

12:00-1:30 **Lunch.** Rauch Lobby.

1:30-2:30. John Morgan (Columbia) *Seiberg-Witten invariants of 4-manifolds* (184)

2:30-3:10. Refreshments (Rauch Lobby)

3:10-3:50

Bishop, Richard (Illinois) *Thin Riemannian manifolds with boundary* (41)

Wright, Gretchen (Columbia) *The Reshitikhin-Turaev representation of the mapping class group* (61)

Boardman, J. Michael (Johns Hopkins) *Unstable decomposition of $P(n)$ -cohomology* (85)

Luo, Feng (Rutgers) *On non-separating simple closed curves in a compact surface* (91)

4:10-4:50

Hotchkiss, Philip (Lafayette) *The boundary of a non-positively curved space* (41)

Anderson, Laura (Indiana) *Topology of combinatorial differential manifolds* (61)

Sullivan, Michael (Northeastern) *An invariant for axiom A flows* (85)

Xie, Xiandong (Oklahoma) *Discrete subgroups of nilpotent groups and complex hyperbolic manifolds* (91)

6:00-8:00. **Dinner** at various restaurants. See signups on bulletin board for rides and riders.

7:30-10:00. **Party.** Iacocca Hall Tower, Mountaintop Campus.

Friday, June 9, 1995

8:00-9:00. Coffee, bagels, fruit. Rauch Lobby.

9:00-10:00. Jean Taylor (Rutgers) *Crystalline Surface Diffusion* (184)

10:20-11:00

Lawlor, Gary (Brigham Young) *Single, double, and triple helicoids – a treasury* (41)

Intermont, Michele (John Carroll) *An equivariant Smash Spectral Sequence and the Box Product* (61)

Patrangenaru, Victor (Indiana) *Curvature homogeneous manifolds* (85)

Randell, Richard (Iowa) *The polygonal knot space* (91)

11:20-12:00

Weinstein, Tilla (Rutgers) *Using Kulkarni's conformal boundary, Part 1* (41)

Sormani, Christina (Courant) *Manifolds with minimal volume growth* (61)

Meier, John (Lafayette) *Three-manifolds, Artin groups and their cyclic quotients* (85)

Katzarkov, Ludmil (Penn) *Recent developments in the Shafarevich conjecture* (91)

12:00-1:30 **Lunch.** Rauch Lobby.

1:30-2:30 Lou Kauffman (Illinois). *Invariants of Links and Three-Manifolds With and Without Quantum Groups* (184)

3:00-3:40

Smyth, Robert (Rutgers) *Using Kulkarni's conformal boundary, Part 2a* (41)

Dekster, Boris V. (Mount Allison) *The Jung theorem in metric spaces of curvature bounded above* (61)

Ruan, Weidong (Harvard) *On the convergence of Kaehler metrics* (85)

Bellis, Paul (Rice) *Homology boundary links with arbitrary patterns* (91)

4:10-4:50

Klarreich, Naomi (Rutgers) *Using Kulkarni's conformal boundary, part 2 α* (41)

Miller, David (William Patterson) *An extension of Milnor's $\bar{\mu}$ -invariants* (61)

Nicolau, Monica (Illinois) *TBA* (85)

Trout, John (Jody) (Penn State) *An integral form of the Mishchenko-Fomenko index theorem via asymptotic morphisms* (91)

6:30-9:00. **Banquet.** Hunan Taste restaurant. \$25 paid in advance covers everything.

Saturday, June 10, 1995

8:00-9:00. Coffee, bagels, fruit in Rauch Lobby.

9:00-10:00. Bill Dwyer (Notre Dame) *The Euler characteristic of a smooth manifold* (184)

10:20-11:00

Morgan, Frank (Williams) *The triple helicoid, soap bubble clusters, and ...* (41)

Naik, Swatee (Nevada) *Knot periodicity and the concordance invariants of Casson and Gordon* (61)

Sawin, Stephen (MIT) *Diffeomorphism-Invariant Generalized Measures on the Space of Connections* (85)

Wood, Jay (Purdue Calumet) *The image of the Chern character* (91)

11:20-12:00

Liu, Zhong-Dong (S. Carolina) *Singular Riemannian manifolds with constant curvature* (41)

Yang, Zhewei (China) *Containment problem in 3-dimensional space of nonneg. const. curvature* (61)

Attie, Oliver (UCLA) *Quasi-Conformal extension for strongly uniform domains* (85)

Shick, Paul (John Carroll) *Localizations and telescopes of finite complexes* (91)

12:00-1:30 **Lunch.** Rauch Lobby.

1:30-2:30 Dan Burns (Michigan) *Birational transformations of symplectic varieties* (184)

5:30. Informal pizza party at the home of ??