SPRING TOPOLOGY AND DYNAMICAL SYSTEMS CONFERENCE 2006
All events are held in Elliott University Center

**WEDNESDAY EVENING, MARCH 22**
7:00– 10:00 p.m.  WELCOME Reception, Auditorium Pre–function Room

**THURSDAY MORNING, MARCH 23**
8:30– 8:40  WELCOME, Auditorium

**PLENARY TALK,  Auditorium**
8:40– 9:30 a.m.  ISTVAN JUHASZ, *Results on Resolvability*

**SEMI-PLENARY TALK (two parallel lectures)**
9:35– 10:00 a.m.  F. JAVIER TRIGOS–ARRIETA, *Two Problems on Topological Groups*  
                    Cone A
9:35– 10:00 a.m.  BRIAN RAINES, *A Characterization of \( \omega \)–limit sets of unimodal maps*  
                    Cone B

10:00– 10:30 a.m. **REFRESHMENTS** Cone C

**SEMI-PLENARY TALK (two parallel lectures)**
10:30– 10:55 a.m.  LOIS KAILHOFER, *On inverse limit spaces of tent maps with periodic critical points*  
                    Cone A
10:30– 10:55 a.m.  NIKOLAY BRODSKIY, *Nagata–Assouad dimension and Lipschitz extensions*  
                    Cone B

**SPECIAL SESSIONS (four parallel sessions)**

**General/Set–theoretic Topology Special Session  Cone A**
11:00– 11:15 a.m.  WANJUN HU, *Connected Tychonoff expansions*
11:20– 11:35 a.m.  JANA FLASKOVA, *Ultrafilters and small sets*
11:40– 11:55 a.m.  DAVE VISSER, *On generalized Erdos spaces*

**Geometric Topology/Geometric Group Theory Special Session  Cone B**
11:00– 11:15 a.m.  ANDRAS JUHASZ, *Regular homotopy classes of singular maps*  
                    Thamer At – Ani, *Subspaces of Katetov Extension*
11:40– 11:55 a.m.  ALEXANDRE KARASSEV, *Root closed function algebras*

**Continuum Theory Special Session  Claxton Room**
11:00– 11:15 a.m.  DAVID BELLAMY, *The work so far of Charles L. Hagopian (Part 1)*
11:20– 11:35 a.m.  DAVID BELLAMY, *The work so far of Charles L. Hagopian (Part 2)*
11:40– 11:55 a.m.  MARCUS MARSH, *Charles Hagopian -- A Brief Biography at 65.33 years*

**Dynamical Systems Special Session,  Kirkland Room**
11:00– 11:15 a.m.  ROBERT L. DEVANEY, *A Myriad of Sierpinski Curve Julia Sets*
11:20–11:35 a.m.  DANIEL M. LOOK, Sierpinski Curve Julia Sets for the Weierstrass Elliptic $\wp$ Function

12:00–1:55  LUNCH

PLENARY TALK, Auditorium
1:55–2:45 p.m.  CHARLES L. HAGOPIAN, An update on the elusive fixed–point property

SPECIAL SESSIONS (four parallel sessions)  Cone A
General/Set–theoretic Topology Special Session
2:50–3:05 p.m.  PETER NYIKOS, Sequential compactness (and lack thereof) in topological spaces
3:10–3:25 p.m.  JOE MASHBURN, The weakly way–below relation
3:30–3:45 p.m.  ELLEN MIR, Continuous Images of Relatively Locally Finite Spaces
3:50–4:05 p.m.  MIKHAIL MATVEEV, On monotone Lindelöfness

Geometric Topology/Geometric Group Theory Special Session  Cone B
2:50–3:15 p.m.  DANIEL FARLEY, On the Cohomology Rings of Tree Braid Groups
3:20–3:40 p.m.  LUCAS SABALKA, On rigidity and the isomorphism problem for four strand tree braid groups
3:45–4:05 p.m.  GÁBOR LUKÁCS, Non–topologizable groups

Continuum Theory Special Session  Claxton Room
2:50–3:05 p.m.  ERIC L. MCDOWELL, Continua $X$ with a small–point hyperspace homeomorphic to $X \times [0, 1]$
3:10–3:25 p.m.  ALEJANDRO ILLANES, Fixed Point Property and Hyperspaces
3:30–3:45 p.m.  LIKIN C. SIMON ROMERO, The Hyperspace Graph of Connected Subgraphs and $C(X)$
3:50–4:05 p.m.  GERARDO ACOSTA, More families of circle–like continua which are $C$– determined

Dynamical Systems Special Session, Kirkland Room
2:50–3:05 p.m.  JAMES YORKE, Open Billiards and Horseshoes
3:10–3:25 p.m.  MARIUSZ URBANSKI, Geometric Rigidity of Limit Sets of Conformal Iterated Function Systems
3:30–3:45 p.m.  JOHN C. MAYER, Transient versus asymptotic dynamics in population biology
3:50–4:05 p.m.  ETHAN M. COVEN, Prevalence of Odometers in Cellular Automata

4:10–4:40  REFRESHMENTS Cone C

Special Sessions (four parallel sessions)  Cone A
General/Set–theoretic Topology Special Session
4:40–4:55 p.m.  MADDALENA BONANZINGA, On some star selection principles
5:00–5:15 p.m.  FRANCIS JORDAN, Strong local properties of function spaces with
topology of pointwise convergence
5:20–5:35 p.m. STEFAN GESCHKE, Metric Baumgartner theorems and Universality
5:40–5:55 p.m. CHUAN LIU, Some results on paratopological groups
6:00–6:15 p.m. FREDERIC MYNARD, Differentiability as Continuity

Geometric Topology/Geometric Group Theory Special Session Cone B
4:40–4:55 p.m. DAMIAN OSAJDA, Boundaries of right–angled hyperbolic buildings
5:00–5:15 p.m. CHRIS HRUSKA, Local connectivity and spaces with isolated flats
5:20–5:35 p.m. JEAN–FRANCOIS LAFONT, Actions of hyperbolic groups on topological disks
5:40–5:55 p.m. KEVIN WORTMAN, Quasi–isometries of arithmetic groups over function fields

Continuum Theory Special Session Claxton Room
4:40–4:55 p.m. CARLOS ISLAS, A 2–equivalent continuum with the property of Kelley
5:00–5:15 p.m. WLODZIMIERZ CHARATONIK, Recognizing Kelley continua in inverse limits
5:20–5:35 p.m. ROBBIE BEANE, Approximating Kelley Continua By Rays

Dynamical Systems Special Session Kirkland Room
4:40–4:55 p.m. LORENZO SADUN, Pattern–equivariant cohomology with integer coefficients
5:00–5:15 p.m. RICHARD J BROWN, The algebraic entropy of character automorphisms of a rank 2 free group
5:20–5:35 p.m. MICHAEL SULLIVAN, Transverse Foliations to nonsingular Morse–Smale flows on the 3–sphere and Bott–integrable Hamiltonian systems
5:40–5:55 p.m. PETRA SINDELAROVA, An example on movable approximations of an invariant set under a continuous flow in dimension 3

FRIDAY, MARCH 24
8:30–8:40 a.m. NEWS, Auditorium

PLENARY TALK Auditorium
8:40–9:30 a.m. MIKE DAVIS, Coxeter groups as a source of examples in geometric group theory

SEMI-PLENARY TALKS (two parallel lectures)
9:35–10:00 a.m. DENNIS BURKE, Quotient spaces and D–spaces Cone A
9:35–10:00 a.m. ELZBIETA POL, The non–existence of common models for some classes of higher–dimensional hereditarily indecomposable continua Cone B

10:00–10:30 REFRESHMENTS Cone C

SEMI-PLENARY TALKS (two parallel lectures)
10:30–10:55 a.m. ANDRZEJ NAGOÞKO, Characterization and topological rigidity of Nobeling manifolds Cone A
10:30– 10:55 a.m.  PATRICIA PELLICER, 1/2–Homogeneity in Continua  Cone B

SPECIAL SESSIONS (four parallel sessions)
General/Set–theoretic Topology Special Session  Cone A
11:00 – 11:15 a.m.  JENNIFER BROWN, Remote points under CH
11:20– 11:35 a.m.  AKIRA IWASA, Metacompactness and Cohen forcing
11:40 – 11:55 a.m.  MICHAEL HRUSAK, Pseudocompactness of hyperspaces

Geometric Topology/Geometric Group Theory Special Session  Cone B
11:00–11:15 a.m.  PIOTR NOWAK, Averaging Property A: non–A examples and weak
Folner function
11:20–11:35 a.m.  DMITRIY SONKIN, Compression of uniform embeddings into Hilbert
space
11:40–11:55 a.m.  MATIJA CENCELJ, Extension of maps to nilpotent spaces

Continuum Theory Special Session  Claxton Room
11:00– 11:15 a.m.  JANUSZ R. PRAJS, Filament Local Product Structures in
Homogeneous Continua
11:20– 11:35 a.m.  PIOTR MINC, An uncountable collection of dendroids mutually
incomparable by continuous functions

Dynamical Systems Special Session  Kirkland Room
11:00– 11:15 a.m.  KAMEL HADDAD, Weak Product Recurrence Does Not Imply
Distality
11:20– 11:35 a.m.  WILLIAM OTT, Weak Product Recurrence Does Not Imply Distality
11:40 – 11:55 a.m.  FERNANDA BOTELHO, Single Pulse Solutions for Oscillatory
Coupling Functions in Neural Networks

12:00– 1:55  LUNCH
12:00– 1:30 Steering Committee Meeting  Alexander Room

PLENARY TALK
1:55–2:45 p.m.  MICHAL Misiurewicz, Rotation sets of billiards with one obstacle

SPECIAL SESSIONS (four parallel sessions)
General/Set–theoretic Topology Special Session  Cone A
2:50– 3:05 p.m.  ALAN DOW, Small Diagonal and PFA
3:10– 3:25 p.m.  KERRY SMITH, Closed Discrete Subspaces in First Countable Spaces
3:30– 3:45 p.m.  TODD EISWORTH, More consistency results with CH
3:50– 4:05 p.m.  GARY GRABNER, Relative Semi–metrics

Geometric Topology/Geometric Group Theory Special Session  Cone B
2:50– 3:05 p.m.  MAX FORESTER, High dimensional filling invariants of groups
3:10– 3:25 p.m.  DONGWEN QI, A Note on Parabolic Subgroups of a Coxeter Group
3:30– 3:45 p.m.  PAUL FABEL, On Topological Fundamental Groups
3:50– 4:05 p.m.  IVONNE J ORTIZ, Lower algebraic K–theory of hyperbolic 3–simplex
reflection groups
Continuum Theory Special Session  Claxton Room
2:50–3:05 p.m.  VERONICA MARTINEZ-DE-LA-VEGA, Open Problems on Dendroids
3:10–3:25 p.m.  VAN NALL, Centers and shore sets of a dendroid
3:30–3:45 p.m.  JORGE M. MARTINEZ-MONTEJANO, Open problems on hyperspaces of dendroids

Dynamical Systems Special Session  Kirkland Room
2:50–3:05 p.m.  STEWART BALDWIN, Characterizing Tent–like maps
3:10–3:25 p.m.  SONJA STIMAC, On the inverse limits of tent maps with critical points approaching periodic points
3:30–3:45 p.m.  JAMES KEESLING, On Ingram's Conjecture
3:50–4:05 p.m.  JUDY KENNEDY, Applications of inverse limits to models in economics

4:10–4:40 REFRESHMENTS  Cone C

SPECIAL SESSIONS (four parallel sessions)
General/Set–theoretic Topology Special Session  Cone A and Alexander Room
(Nota Bene: This afternoon special session has two sequences of parallel talks)
4:40–4:55 p.m.  JUDITH ROITMAN, Subspaces of the countable box product of \( \omega_1 \)
Cone A
4:40–4:55 p.m.  ROBERT RAPHAEL, Spaces for which the Hewitt realcompactification commutes with the P–space coreflection (Part 1) Alexander Room
5:00–5:15 p.m.  SCOTT WILLIAMS, The topology of metric spaces II  Cone A
5:00–5:15 p.m.  GRANT WOODS, Spaces for which the Hewitt realcompactification commutes with the P–coreflection (Part 2) Alexander Room
5:20–5:35 p.m.  NATHAN A. CARLSON, Non–regular power homogeneous spaces Cone A
5:20–5:35 p.m.  ASLANBECK NAZIEV, On a problem of H. Buchwalter  Alexander Room

Geometric Topology/Geometric Group Theory Special Session  Cone B
4:40–4:55 p.m.  ATISH MITRA, Dimension zero at all scales
5:00–5:15 p.m.  VESKO VALOV, On the Hurewicz dimension–raising maps theorem
5:20–5:35 p.m.  MURAT TUNCALI, Controlled Hahn–Mazurkiewicz Theorem and Some New Dimension Functions of Peano continua

Continuum Theory Special Session  Claxton Room
4:40–4:55 p.m.  PAUL BANCKTON, Identifying a topological graph using first–order lattice properties
5:00–5:15 p.m.  DALE DANIEL, Metrizable Fiberings of Continuous Images of Ordered Compact Hausdorff Spaces
5:20– 5:35 p.m.  CHRISSOPHER MOURON, Continua that admit expansive $\mathbb{Z}^{n+1}$ actions but do not admit expansive $\mathbb{Z}^n$ actions
5:40–5:55 Andrew Lelek, Some old problems revisited

Dynamical Systems Special Session  Kirkland Room
4:40– 4:55 p.m.  SUZANNE HRUSKA, Rigorous Numerics and Polynomial Skew Products of $C^2$
5:00– 5:15 p.m.  GRZEGORZ GRAFF, Minimal number of periodic points for smooth self–maps of compact manifolds
5:20– 5:35 p.m.  EMILY GAMBER, Expansive Cellular Automata

7:00– 10:00 CATERED RECEPTION  CONE A& B

SATURDAY, MARCH 25
8:30– 8:40 a.m.  NEWS, Auditorium

PLENARY TALK,  Auditorium
8:40– 9:30 a.m.  ALEXANDER DRANISHNIKOV, Embedding of metric spaces into the product of trees

SEMI-PLENARY TALKS (two parallel lectures)
9:35- 10:00 a.m.  FRANCIS JORDAN, Connected partitions of continua into compacta  Cone A
9:35- 10:00 a.m.  JENNIFER SCHULTENS, Destabilizing amalgamated Heegaard Splittings  Cone B

REFRESHMENTS  CONE C  10:00-10:30

SEMI-PLENARY TALKS (two parallel lectures)
10:30- 10:55 a.m.  RAUSHAN BUZYAKOVA, Function Spaces over Generalized Ordered Topological Spaces  Cone A
10:30- 10:55 a.m.  HENK BRUIN, Cutting times and subcontinua of unimodal inverse limit spaces  Cone B

General/Set–theoretic Topology Special Session  Cone A
11:00–11:15 a.m.  GARY GRUENHAGE, Small dense sets in products
11:20–11:35 a.m.  WILLIAM FLEISSNER, Which ordinals have coarser connected Urysohn topologies?
11:40– 11:55 a.m.  PAUL LARSON, Irreducibility of product spaces with finitely many points removed

Geometric Topology/Geometric Group Theory Special Session  Cone B
11:00– 11:15 a.m.  JAKA SMREKAR, Splitting and coherence of periodic homotopy idempotents
11:20– 11:35 a.m.  ALES VAVPETIC, On the mod p cohomology of BPU(p)
11:40– 11:55 a.m.  JASON BEHRSTOCK, Dimension and rank of mapping class groups
Continuum Theory Special Session  Claxton Room
11:00–11:15 a.m.  DAVID RYDEN, The composant equivalence relation of an indecomposable continuum
11:20–11:35 a.m.  MARCUS MARSH, Inverse Limits of Real Projective Spaces and the Fixed Point Property
11:40–11:55 a.m.  BENJAMIN ESPINOZA, Inverse Limits and Whitney Preserving Maps

Dynamical Systems Special Session  Kirkland Room
11:00–11:15 a.m.  DAN MAULDIN, Homeomorphic product measures on the Cantor space
11:20–11:35 a.m.  ANDY YINGST, Homeomorphic Product Measures on Cantor Space

12–1:55  LUNCH

PLENARY TALK, Auditorium
1:55-2:45 a.m.  JAN VAN MILL, Homogeneous spaces and transitive actions by Polish groups

Special Sessions (four parallel sessions)
General/Set–theoretic Topology Special Session  Cone A
2:50–3:05 p.m.  PAUL SZEPTYCKI, ZFC examples of submaximal spaces
3:10–3:25 p.m.  STRASHIMIR G. POPVASSILEV, On some versions of the point–open game
3:30–3:45 p.m.  DAVID LUTZER, Representability of BCO and Moore spaces
3:50–4:05 p.m.  PHILLIP ZENOR, Continuously Urysohn Spaces

Geometric Topology/Geometric Group Theory Special Session  Cone B
2:50–3:05 p.m.  SAM NELSON, Quandle difference invariants
3:10–3:25 p.m.  DAN MARGALIT, Cohomological dimension of the Torelli subgroup of Out(Fn)
3:30–3:45 p.m.  GREG BELL, Asymptotic dimension of a curve graph and some mapping class groups
3:50–4:05 p.m.  DAN GURALNIK, Coarse decompositions for boundaries of cubulated CAT(0) spaces

Continuum Theory Special Session  Claxton Room
2:50–3:05 p.m.  BEVERLY BRECHNER, Mathematics and Parkinson’s Disease
3:10–3:25 p.m.  MICHEL SMITH, On non–metric indecomposable and hereditarily indecomposable subcontinua of products of long Hausdorff arcs
3:30–3:45 p.m.  JAMES KEESLING, The Stone–Cech Compactification of Paracompact Spaces

Dynamical Systems Special Session, Kirkland Room
2:50–4:05 p.m.  NONE
3:20–3:50 REFRESHMENTS  Cone C

Special Sessions (four parallel sessions)

General/Set–theoretic Topology Special Session  Cone A
4:40– 4:55 p.m.  W. W. COMFORT, Extremal Pseudocompact Abelian Groups Are Compact Metrizable
5:00– 5:15 p.m.  M. D. GUAY, A Hahn–Banach Theorem in Non–Compact Convexity Theory
5:20– 5:35 p.m.  MAXIM R. BURKE, Invariant Borel liftings for category algebras of Baire groups
5:40 –5:55 p.m.  BRAD BAILEY, I–weight of compact, locally compact and paracompact LOTS

Geometric Topology/Geometric Group Theory Special Session  Cone B
NONE

Continuum Theory Special Session  Claxton Room
4:40– 4:55 p.m.  THELMA WEST, The Spans of Five Star–Like Simple Closed Curves
5:00– 5:15 p.m.  LEX OVERSTEEGEN, On finitely Suslinian compacta

Dynamical Systems Special Session  Kirkland Room
NONE

7:00– 10:00 Pizza Party