Algebraic Topology and Applications, PKH 249

Wednesday, Chair: Krystyna Kuperberg

1:30-2:00 Robert Edwards, *Two of my favorite conjectures*

2:00-2:30 Jerzy Dydak, *Profinite structures on residually finite groups*

2:30-3:00 Thomas Weighill, *Warped spaces and the maximal Roe algebra*

3:00-3:30 Alex Clark, *The homology core*

3:30-4:00 Petra Staynova, *The Ellis semigroup of generalized Morse sequences*

4:00-4:30 Paul Fabel, *Topological **R**-trees as 'covers' of Peano spaces*

Thursday, Chair: Danuta Kołodziejczyk

2:30-3:00 Steve Hurder, *Shape and periodic pseudo-orbits for Kuperberg flows*

3:00-3:30 Daniel Ingebretson, *Dimension and differential structures on Cantor sets*

3:30-4:00 Oleg Musin, *Borsuk-Ulam type theorems for G-spaces*

4:00-4:30 Jeremy Brazas, *Continuity of the π_1-action*

Friday, Chair: Steve Hurder

2:30-3:00 Olga Lukina, *Manifold-like matchbox manifolds*

3:00-3:30 James Keesling, *The algebraic topology of βX with applications*

3:30-4:00 Marilyn Vazquez, *Persistence in data clustering*

Saturday, Chair: Danuta Kołodziejczyk

1:30-2:00 Denise Halverson, *Designing and detecting a variety of generalized manifolds*

2:00-2:30 Aura Lucina Kantún Montiel, *G-fibrations induced by the functor of twisted product via α*

2:30-3:00 Piotr Oprocha, *Dynamical properties of maps on quasi-graphs*

3:00-3:30 Leonard Rubin, *Topological n-cells and Hilbert cubes in inverse limits*

3:30-4:00 Matthew Lynam, *Approximate Inverse Limits and (m,n)-dimension*

4:00-4:30 Jan Boroński, *Minimal sets of torus homeomorphisms without minimal squares*

Continuum Theory Session, PKH 307 & PKH 328

Wednesday (307), Chair: Michel Smith

1:30-2:00 Alejandro Illanes, *n-ods, strong n-ods and weak n-ods*

2:00-2:30 Verónica Martínez de la Vega, *Symmetric products and n-fold hyperspaces as cones*

2:30-3:00 Hugo Villanueva, *On hyperspaces $C(p, X)$*

3:00-3:30 Jan Boroński, *Ample continua in Cartesian products of continua*

3:30-4:00 Hussam Abobaker, *On thin continua*

4:00-4:30 Matt Insall, *Continua that are subcontinuum-like or hereditarily self-like*

4:30-5:00 Włodzimierz J. Charatonik, *A characterization of hereditarily contractible continua*

Wednesday (328), Chair: Daria Michalik

2:30-3:00 Jeff Norden, *Commuting maps on triods, intervals, and related spaces that do or do not have coincidence and/or common fixed points*

3:00-3:30 Scott Varagona, *Generalized inverse limits that banish their graphs*

Thursday, Chair: Logan Hoehn

2:30-3:00 David Bellamy, *Possible insights into homogeneous indecomposable continua*

3:00-3:30 Yaziel Pacheco Juárez, *Dendroids with low homogeneity degree*

3:30-4:00 Daria Michalik, *Homogeneity degree of some Cartesian products*

4:00-4:30 Włodzimierz J. Charatonik, *Janusz R. Prajs - an ample mathematician*

4:30-5:00 Sergio Macias, *On Jones' and Prajs' decomposition theorems*

Friday (307), Chair: Rodrigo Hernández-Gutiérrez

2:30-3:00 Marcus Marsh, *A fixed point theorem for conical shells*

3:00-3:30 Ana Anušič, *Planar embeddings of chainable continua*

3:30-4:00 Maria Elena Aguilera, *Whitney blocks and m-mutual aposyndesis*

Friday 328, Chair: Daria Michalik

2:30-3:00 Wayne Lewis, *Homeomorphisms of the pseudo-arc*

3:00-3:30 Roshan Adikari, *Endpoints of nondegenerate hereditarily decomposable chainable continua*

3:30-4:00 Ameen Alhassan, *Properties of endpoints and opposite endpoints of hereditarily decomposable chainable continua*

Saturday, Chair: Rodrigo Hernández-Gutiérrez

1:30-2:00 Judy Kennedy, *A surprising example for topological entropy*

2:00-2:30 James Kelly, *Markov set-valued functions and their inverse limits*

2:30-3:00 Şahika Şahan, *Menger curve as a set-valued inverse limit*

3:00-3:30 break

3:30-4:00 Van Nall, *Reversible properties of inverse limits with a single set valued function*

4:00-4:30 Bostjan Lemez, *An upper semicontinuous function f whose graph is homeomorphic to the inverse limit of closed unit intervals with f as a bonding function*

4:30-5:00 Faruq Mena, *Locally connected generalized inverse limits*

Dynamical Systems, PKH 305

Wednesday, Chair: Judy Kennedy

1:30-2:00 Lori Alvin, *Endpoints of inverse limits for a family of set-valued functions*

2:00-2:30 Alexander Blokh, *Models of some spaces of complex polynomials of arbitrary degree*

2:30-3:00 Michael Sullivan, *Periodic orbits in a chaotic attractor introduced by Clark Robison*

3:00-3:30 Sharan Gopal, *Characterising the sets of periodic points for solenoidal automorphisms*

3:30-4:00 Alica Miller, *Weak mixing in general semiflows implies multi-sensitivity, but not thick sensitivity*

4:00-4:30 Joanna Furno, *Volumes of bounded remainder sets for rotations on the Adelic torus*

4:30-5:00 Will Brian, *Dynamical systems on $\mathbf{N}^*$ and their quotients*

Thursday, Chair: Alex Clark

2:30-3:00 Jernej Činč, *Lakes of Wada rotational attractor*

3:00-3:30 Henk Bruin, *Matching for translated β-transformations*

3:30-4:00 Jan Boroński, *The Denjoy-Rees construction on the pseudo-circle*

4:00-4:30 Lex Oversteegen, *Perfect subspaces of quadratic laminations*

4:30-5:00 Olga Lukina, *Arboreal Cantor actions*

Friday, Chair: Jan Boroński

2:30-3:00 Christopher Mouron, *Exact maps of the pseudo-arc*

3:00-3:30 Christian Wolf, *Zero-temperature measures, entropy and rotation sets*

3:30-4:00 Piotr Oprocha, *Mixing properties in expanding Lorenz maps*

Saturday, Chair: Lori Alvin

1:30-2:00 C.A. Morales, *Continuous-wise distal homeomorphisms*

2:00-2:30 James Keesling, *Silent circulation of polio*

2:30-3:00 Tomoo Yokoyama, *Topological transitivity and representability of surfaces flows*

3:00-3:30 Hayato Imamura, *Markov-like set-valued functions and their inverse limits*

3:30-4:00 Sina Greenwood, *2-manifolds and inverse limits of set-valued functions on intervals*

Geometric Group Theory, PKH 319

Wednesday, Chair: Matt Zaremsky

1:30-2:00 Nick Salter, *Surface bundles, monodromy, and arithmetic groups*

2:00-2:30 Eduard Einstein, *Hierarchies of relatively hyperbolic non-positively curved cube complexes*

2:30-3:00 David Bruce Cohen, *Weakly aperiodic SFTs on lamplighter groups*

3:00-3:30 Bakul Sathaye, *Obstructions of Riemannian smoothings of locally CAT(0) manifolds*

3:30-4:00 Kevin Kordek, *The first Betti number of the level 4 braid group*

4:00-4:30 Edgar A. Bering IV, *A uniform McCarthy-type theorem for linearly growing outer automorphisms of a free group*

4:30-5:00 Maxime Bergeron, *The topology of representation varieties*

Thursday, Chair: Thomas Koberda

2:30-3:00 Amanda Taylor, *A family of locally solvable subgroups*

3:00-3:30 Balázs Strenner, *Fibrations of 3-manifolds and nowhere continuous functions*

3:30-4:00 Phillip Wesolek, *Approximating simple locally compact groups by their dense subgroups*

4:00-4:30 Rachel Skipper, *Separating Nekrashevych groups via finiteness properties*

4:30-5:00 Jim Belk, *Embedding right-angled Artin groups into Brin-Thompson groups*

Friday, Chair: Matt Zaremsky

2:20-2:45 Pallavi Dani, *Subgroup distortion in hyperbolic groups*

2:45-3:10 Ignat Soroko, *Stable commutator length in right-angled Artin groups*

3:10-3:35 Yulan Qing, *Quasi-geodesics in Out(Fn)*

3:35-4:00 Aaron Abrams, *Group trisections and smooth 4-manifolds*

Saturday, Chair: Jing Tao

1:30-2:00 Robert Kropholler, *Groups of type* FP_2

2:00-2:30 Michael Hull, *Counting conjugacy classes in* $\mathrm{Out}(\mathrm{F_N})$

2:30-3:00 Daniel Studenmund, *Semiduality in group cohomology*

3:00-3:30 Jonah Gaster, *Simple closed curves with controlled intersections*

3:30-4:00 Kim Ruane, *Boundaries of CAT(0) spaces with isolated flats property*

4:00-4:30 Justin Malestein, *Homology of finite covers of surfaces and simple closed curves*

4:30-5:00 Spencer Dowdall, *Isomorphisms and abstract commensurations of big mapping class groups*

Geometric Topology, PKH 301

Wednesday, Chair: Scott Carter

1:30-2:00 Daniel Ramras, *Coassembly for representation spaces*

2:00-2:30 Igor Belegradek, *Gromov-Hausdorff hyperspace of nonnegatively curved 2-spheres*

2:30-3:00 Daniel Silver, *Alexander-Briggs presentations of knot groups*

3:00-3:30 Oleg Musin, *KKM type theorems, homotopy and cobordism classes of maps for spheres*

3:30-4:00 Hoang Nguyen, *Distortion of surfaces in 3-manifolds*

4:00-4:30 Craig Guilbault, *Completions and $\mathbf{Z}$-compactifications of manifolds*

4:30-5:00 Shijie Gu, *Compactifications of manifolds with boundary*

Thursday, Chair: Steve Ferry

2:30-3:00 Greg Bell, *Decomposition theorems for asymptotic property $\mathbf{C}$ and property $\mathbf{A}$*

3:00-3:30 David Rosenthal, *Regular finite decomposition complexity*

3:30-4:00 Victor Turchin, *Spaces of embeddings and diffeomorphisms of discs*

4:00-4:30 Trevor Davila, *Decomposition complexity growth*

4:30-5:00 Atish Mitra, *On a metric of J. Nagata*

Friday, Chair: Alex Dranishnikov

2:30-3:00 Daniel C. Cohen, *Topological complexity of surfaces*

3:00-3:30 Rustam Sadykov, *On the Lusternik-Schnirelmann category and topological complexity of the connected sum of manifolds and free products of groups*

3:30-4:00 Steven Scheirer, *The topological complexity of moving robots on graphs*

Saturday, Chair: Alex Dranishnikov

1:30-2:00 Greg Kuperberg, *Calculating 5-fold coverings: Not in our lifetimes*

2:00-2:30 Boris Okun, *Growth series of $CAT(0)$ cubical complexes*

2:30-3:00 Boris Goldfarb, *Coarse coherence of metric spaces and groups and its permanence properties*

3:00-3:30 Vladimir Chernov, *Cosmic censorship of smooth structures on spacetimes*

3:30-4:00 Jay Leach, *Surfaces detected by the character variety of manifolds with symmetries*

4:00-4:30 Hung Cong Tran, *On strongly quasiconvex subgroups*

4:30-5:00 Nicolò Zava, *Coarse hyperstructures with applications to groups*

Set-theoretic Topology, PKH 236 & PKH 228

Wednesday (236), Chair: Gary Gruenhage

1:30-2:00 Jocelyn Bell, *κ-proximal spaces*

2:00-2:30 Christopher Caruvana, *An extension of the Baire property*

2:30-3:00 Alan Dow, *sigma-compact density*

3:00-3:30 Ziqin Feng, *Spaces with a **Q**-diagonal*

3:30-4:00 Neil Hindman, *Sets and mappings in βS which are not Borel*

4:00-4:30 Jared Holshouser, *Calibrating the size of complicated quotients*

4:30-5:00 Mikołaj Krupski, *Functional tightness of infinite products*

Wednesday (228), Chair: Stu Baldwin

1:30-2:00 Samer Assaf, *On M-metric spaces*

2:00-2:30 Ivan Gotchev, *Cardinal inequalities for topological spaces: new results and some open questions*

2:30-3:00 Ihor Stasyuk, *Extension of functions and metrics with variable domains*

3:00-3:30 break

3:30-4:00 Keith Whittington, *The SIN property in homeomorphism groups*

4:00-4:30 Akira Iwasa, *Uncountable discrete subspaces and forcing*

Thursday, Chair: Ziqin Feng

2:30-3:00 Joan Hart, *Super HS and HL spaces*

3:00-3:30 Paul Larson, *All sufficiently regular sets of reals may be projective*

3:30-4:00 Arkady Leiderman, *Products of topological groups in which all closed subgroups are separable*

4:00-4:30 Alexander Shibakov, *Countably compact sequential groups of arbitrary orders*

4:30-5:00 Peter Nyikos, *Butterfly points in compacta*

Friday, Chair: Gary Gruenhage

2:30-3:00 Vladimir Tkachuk, *Discrete selectivity in function spaces*

3:00-3:30 Wanjun Hu, *Introduction to typed topological spaces*

3:30-4:00 Steven Clontz, *pi-Base: A usable map of the forest*

Saturday, Chair: Stu Baldwin

1:30-2:00 Natasha Dobrinen, *Applications of high dimensional Ellentuck spaces*

2:00-2:30 Hongfeng Guo, *Monotonical monolithity, point-countable almost subbase and D*

2:30-3:00 Strashimir Popvassilev, *On GO-spaces with a monotone closure-preserving operator*

3:00-3:30 Ted Porter, *On the metrization of GO-spaces with the NZ(ω)-property*

3:30-4:00 David Milovich, *Pin homogeneity*

4:00-4:30 Paul Szeptycki, *Ladder systems after forcing with a Suslin tree*

4:30-5:00 Lynne Yengulalp, *Cofinally Polish spaces and domain representability*