STDC 2024 schedule of events

Wednesday, March 6	Thursday, March 7	Friday, March 8	Saturday, March 9
8:30 - 9:00 coffee/registration	**8:30 - 9:00** coffee/registration	**8:30 - 9:00** coffee/registration	**8:30 - 9:00** coffee/registration
9:00 - 9:30 Welcoming remarks	**9:00 - 10:00** plenary talk: Yvon Verberne	**9:00 - 10:00** plenary talk: Stevo Todorčević	**9:00 - 10:00** plenary talk: Van Nall
9:30 - 10:30 plenary talk: Jan Boroński	**10:00 - 10:30** coffee break	**10:00 - 10:30** coffee break	**10:00 - 10:30** coffee break
10:30 - 11:00 coffee break	**10:30 - 11:30** special sessions	**10:30 - 12:00** special sessions	**10:30 - 12:00** special sessions
11:00 - 12:30 special sessions	**11:30 - 12:15** semi-plenary talks: Selinger / de Rancourt		
12:30 - 1:30 lunch break (meal provided)	**12:15 - 1:30** lunch break (meal provided)	**12:00 - 2:00** lunch break (off campus)	**12:00 - 1:15** lunch break (meal provided)
1:30 - 2:30 plenary talk: Talia Fernós	**1:30 - 2:30** plenary talk: Sander Kupers	**2:00 - 3:00** special sessions	**1:15 - 2:45** special sessions
2:35 - 3:20 semi-plenary talks: Hoehn / Aougab	**2:35 - 3:20** semi-plenary talks: Dobrinen / Yang	**3:00 - 3:30** coffee break	**2:45 - 3:15** coffee break
3:20 - 3:45 coffee break	**3:20 - 3:45** coffee break	**3:30 - 4:15** semi-plenary talks: Russell / Matsuhashi	**3:15 - 4:00** semi-plenary talk: Tanaka
3:45 - 5:15 special sessions / problem sessions	**3:45 - 5:15** special sessions / problem sessions	**4:15 - 5:15** special sessions / problem sessions	

Detailed schedule for Wednesday, March 6:

<u>**8:30 - 9:00**</u>: coffee/registration

<u>**9:00 - 9:30**</u>: welcoming remarks in room G256

<u>**9:30 - 10:30**</u>: plenary talk in room G256: Jan Boroński, *A classification of Hénon maps in the presence of strange attractors*

<u>**10:30 - 11:00**</u>: coffee break

<u>**11:00 - 12:30**</u>: special session meetings

Continuum Theory room 2230	Dynamical Systems room 1249	Geometric Group Theory room 2222	Geometric Topology room 1243
Lex Oversteegen *On open and monotone mappings*	Elzbieta Krawcyk (remote) *Amorphic complexity and tameness of automatic systems*	Thomas Ng *Free product quotients acting on CAT(0) cube complexes*	Ana Wright *The Alexander Polynomial and Gordian Distance*
David Lipham *Buried points of plane continua*	Philipp Kunde (remote) *The conjugacy problem for Cantor minimal systems*	Roberta Shapiro *Non-hyperbolicity of single-isotopy-class fine curve graphs*	Eylem Yıldız *"Shake slice conjecture" and "Smooth 4-D Poincaré conjecture"*
Krystyna Kuperberg (remote) *A class of 1-dimensional continua: Shape Theory meets Dynamics*	Sergei Miles *Dynamics of the shift action on linear sequence spaces over groups beyond $\mathbb{Z}$*		Terrin Warren *Corks for exotic diffeomorphisms*

<u>**12:30 - 1:30**</u>: lunch in the main lobby (meal provided)
        Workshop in room 1249: *Lean for topological spaces and manifolds*, led by Jim Fowler

<u>**1:30 - 2:30**</u>: plenary talk in room G256: Talia Fernós, *The Semi-Simple Theory of Acylindricity in Higher rank*

<u>**2:30 - 3:20**</u>: semi-plenary talks
- room G287: Logan Hoehn, *The problem of Nadler and Quinn on accessible points of arc-like continua*
- room 1249: Tarik Aougab, *Counting in a mapping class group orbit of triangulations*

<u>**3:20 - 3:45**</u>: coffee break in the main lobby

<u>**3:45 - 5:15**</u>: special session meetings

Continuum Theory room 2230	Dynamical Systems room 1249	Geometric Group Theory room 2222	Geometric Topology room 1243	Set-Theoretic Topology room 3222
Andrea Ammerlaan *Accessible points of arc-like continua*	Md Abdul Aziz *Fixed point portraits for laminations of the unit disc*	George Domat *Surface Houghton Groups*	Philip Tosteson *Holomorphic maps to blowups of projective space*	Akira Iwasa *Adding a continuous map by forcing*
Ana Anušić *New embeddings of Knaster continuum in the plane*	Brittany Burdette *Laminations to Julia Sets*	Franco Vargas Pallete *Minimal surface entropy for asymptotically cusped metrics in 3-manifolds*	Satyanath Howladar *On Gromov's Conjecture for Right-Angled Artin Groups*	J. Gálvez-Rodríquez *Riemann integral on a space with a fractal structure*
Wayne Lewis (remote) *In memoriam Piotr Minc*	Forrest Hilton *Counting Preimage Laminations*	Nate Fisher (remote) *On horofunction boundaries of homogeneous groups*	Ulises Morales-Fuentes (remote) *Rectangles inscribed in plane sets as a consequence of the non-embeddability of certain cones in $\mathbb{R}^3$*	R. Raphael (remote) *DL-closures and 2-3 closures applied to the ring $C^1(\mathbb{R})$*

Detailed schedule for Thursday, March 7:

<u>8:30 - 9:00</u>: coffee/registration

<u>9:00 - 10:00</u>: plenary talk in room G256: Yvon Verberne, *Pseudo-Anosov Homeomorphisms*

<u>10:00 - 10:30</u>: coffee break

<u>10:30 - 11:30</u>: special session meetings

Continuum Theory room 2230	Dynamical Systems room 1249	Geometric Group Theory room 2222	Geometric Topology room 1243	Set-Theoretic Topology room 3222
Alejandro Illanes *Hyperspaces of exactly n points*		Vivian He *Random walks on groups and superlinear divergent geodesics*	Daniel Epelbaum *Computability of Immersions*	István Juhász *The class $C(\omega_1)$ and countable net weight*
Jorge Vega (remote) *The hyperspace of non-cut subcontinua of graphs and dendrites*	Jakub Tomaszewski (remote) *On extending Cantor subsystems on dendrites*	Koichi Oyakawa *Hyperfiniteness of boundary actions of acylindrically hyperbolic groups*		C. Corral (remote) *High dimensional sequential compactness*

<u>11:30 - 12:15</u>: semi-plenary talks
- room G287: Noé de Rancourt, *Metric Big Ramsey Degrees*
- room 1249: Nikita Selinger, *Parameter space of symmetric cubic polynomials*

<u>12:15 - 1:30</u>: lunch in the main lobby (meal provided)
  Panel discussion in room 1249: *The future of topology and dynamics meetings and publications*

<u>1:30 - 2:30</u>: plenary talk in room G256: Sander Kupers, *Old and new in diffeomorphisms of discs*

<u>2:30 - 3:15</u>: semi-plenary talks
- room G287: Natasha Dobrinen, *Infinite dimensional Ramsey theory on homogeneous structures*
- room 1249: Kitty Yang, *Mapping class group of low complexity subshifts*

<u>3:15 - 3:45</u>: coffee break in the main lobby

<u>3:45 - 5:15</u>: special session meetings

Continuum Theory room 2230	Dynamical Systems room 1249	Geometric Group Th. room 2222	Geometric Topology room 1243	Set-Theoretic Top. room 3222
Haley Pavlis *Inverse Limits of Finite Path Graphs*	Henk Bruin *Dynamics of rotated odometers*	Alex Margolis *Quasi-isometric rigidity of commensurated subgroups*	Mary He *Non-realizability of some big mapping class groups*	Ivan Gotchev *On Arhangel'skiĭ's inequality*
Michel Smith *Non-metric Hereditarily Indecomposable Continua*	Jernej Činč *Interval maps with dense periodicity*	Maya Verma *Leighton's property for $X_{m,n}$*		Joseph Briggs *Cylinders as iso-perimetric limits of Cayley graphs?*
problem session	Sejal Babel *Realisation of Choquet simplices on manifolds*	Funda Gültepe *Hyperbolicity and relative hyperbolicity of free extensions of free groups*	William Geller *Holes, nonconvexity, and curvature in metric spaces*	problem session

Detailed schedule for Friday, March 8:

8:30 - 9:00: coffee/registration

9:00 - 10:00: plenary talk (remote), watchable online or in room G256: Stevo Todorčević, *Tukey reductions in topology*

10:00 - 10:30: coffee break

10:30 - 12:00: special session meetings

Continuum Theory room 2230	Dynamical Systems room 1249	Geometric Group Th. room 2222	Geometric Top. room 1243	Set-Theoretic Topology room 3222
Teja Kac *Inverse limits with Markov set-valued functions*	Olga Lukina (remote) *Types and typesets in the classification of actions of non-commutative groups*	Becky Eastham *Separable homology of graphs and the Whitehead complex*	Bena Tshishiku *Mapping class group actions on 3-manifolds*	Nathan Carlson *A bound for the density of any Hausdorff space*
Rene Gril Rogina *End-point-generated smooth fans*	Bhattacharya (remote) *Forcing among mixing patterns of triods*	Trent Lucas *Homological Represent-ations of Low Genus Mapping Class Group*		Dana Bartašová *Maximal quotients of extremally disconnected flows via discrete group actions with respect to coarser group topology*
Faruq Mena (remote) *Gehman Dendrte G_4 as Generalized Inverse Limit Spaces of Upper Semi-Continuous Bonding Functions on $[0,1]$*	Henrik Kreidler *Uniform enveloping semigroupoids*	Aaron Messeria *Random Bowditch Boundaries for Free Groups*	Leonard Rubin *The Maximum Card-inality of Essential Families in Normal or Regular Spaces*	Justin Young *Dynamic Ideals of Topological Spaces*

12:00 - 2:00: lunch break (off campus)

2:00 - 3:00: special session meetings

Continuum Theory room 2230	Dynamical Systems room 1249	Geometric Group Theory room 2222	Geometric Topology room 1243	Set-Theoretic Topology room 3222
Curtis Kent *Dendrites and path-homotopies*	Piotr Oprocah (remote) *On block gluing property in Hom shifts*	Brian Udall *Combinations of parabolically geometrically finite groups*	Steve Trettel *What do 3-manifolds look like?*	Chris Caruvana *Applications and Limitations of Strategic Translation in Selection Principles*
Robert Roe (remote) *Projective Fraïssé limits of trees with confluent epimorphisms*	Ronnie Pavlov *Minimal zero entropy subshifts are unrestricted along a sparse set*	Turbo Ho *Decision problem for groups as equivalence relations*		Jared Holshauser *Clustering Properties of Convex-Valued Upper Semi-continuous (CUSCO) Functions*

3:30 - 4:15: semi-plenary talks
- room G287: Jacob Russell, *Convex cocompactness: from hyperbolic geometry to surface homeomorphism*
- room 1249: Eiichi Matsuhashi, *Some recent results on decomposable continua*

4:15 - 5:15: special session meetings

Dynamical Systems room 1249	Geometric Group Theory room 2222	Geometric Topology room 1243	Set-Theoretic Topology room 3222
Sarah Frick *Adic systems associated to multivariable polynomials*	Hanh Vo *Deciding when two curves are of the same type*	Barry Minemyer *Complex Hyperbolic Gromov-Thurston Metrics*	Cristina Villanueva-Segovia *Square-catcher subsets*
Silvia Radinger *Rigidity for Toeplitz and Enumeration Systems*	Dan Minahan *The Second Rational Homology of the Torelli group*	Radmila Sazdanovic *Bilinear pairings on two-dim-ensional cobordisms and general-izations of the Deligne category*	Ziqin Feng *The Tukey Representation of Directed Sets of Topology and its Applications*
	Katherine Goldman CAT(0) *and cubulated Shephard groups*		

Detailed schedule for Saturday, March 9:

8:30 - 9:00: coffee/registration

9:00 - 10:00: plenary talk in room G256: Van Nall, *Continuum Dynamics*

10:00 - 10:30: coffee break

10:30 - 12:00: special session meetings

Continuum Theory room 2230	Dynamical Systems room 1249	Geometric Group Theory room 2222	Geometric Topology room 1243	Set-Theoretic Topology room 3222
James Kelly *Cantor Sets and Topological Entropy for Set-valued Functions on Countable Domains*	Sushmita Yadav (remote) *Some dynamical notion for non-autonomous systems*	Lorenzo Ruffoni *Incoherence for right-angled Coxeter groups*	Atish Mitra (remote) *Geometric Embeddings of Spaces of Persistence Diagrams with Explicit Distortions*	Jocelyn Bell *Playing topological games with insights from Gruenhage*
Goran Erceg *Chaos and mixing homeomorphisms on fans*	Tanja Schindler (remote) *Scaling properties of (generalised) Thue-Morse measures*	Pratyush Mishra *Girth Dichotomy Arising from the Ping-Pong Dynamics in HNN Extensions*	Michael Bruner *Coarse bottlenecking and coarse skeletons of graphs*	Khulod Almontashery (remote) *Recent results about proximal and semi-proximal spaces*
Christopher Mouron (remote) *Commuting Maps of the Interval*	Thomas Sirna *The Critical Strip Lemma for σ_d-Symmetric Laminations of the Unit Disc*	Ryan Dickmann *Mapping Class Groups of Surfaces with Noncompact boundary*	problem session	Mikolaj Krupski *Some examples concerning $L\Sigma(\leq\omega)$ and metrizably fibered compacta*

12:00 - 1:15: lunch in the main lobby (meal provided)
Workshop in room 1249: *Modeling topology research using the pi-Base*, led by Steven Clontz

1:15 - 2:45: special session meetings

Continuum Theory room 2230	Dynamical Systems room 1249	Geometric Group Theory room 2222	Set-Theoretic Topology room 3222
problem session	Puneet Sharma *Dynamics of a General Non-autonomous Discrete Dynamical System* Olivier Olela Otafudu *Quasi-uniform entropy vs topological entropy* Maxim Kirsebom (remote) *Metrical limit theorems for maximal digits in complex continued fraction expansions*	problem session	Vladimir Tkachuk *Topological W-groups and Corson compact spaces* Alan Dow *More trivial and non-trivial autohomeo-morphisms of $\mathbb{N}^*$* Vera Fischer (remote) *Refining and dominating families at the uncountable*

2:45 - 3:15: coffee break

3:15 - 4:00: semi-plenary talk
- in room G287: Hiro Tanaka, *Breaking everything to cohere everything*