

Times	Burton 209	Burton 219	Burton 301	Burton 302	Burton 307	Sabin Reed 220
	Topology	Biomathematics	Graph Theory and Algebra	Algebraic Combinatorics	Statistics	Machine Learning and Network Science
11:15 AM - 11:30 AM	Political Structures and the Topology of Hypergraphs	Algorithmic Generation of DNA Self-Assembly Graphs	Graph Constructions of Nilpotent Lie Algebras	Drawing Circuits to Bypass Calculations	A Comparison of Nonparametric Tests for Interaction in Two-way ANOVA with Balanced Replications	System identification with neural networks in Smith's Geothermal Project
11:35 AM - 11:50 AM	Algebraic Topology of Dihedral Branched Covers	Multi-Dimensional Graphs Modeling Self-Assembling DNA Nanostructures	Prime Graphs of Groups with K_4 composition factors	Rotations of Balanced Yamanouchi Words	Estimating Probability of True 'Hits'	What is Normal Network Traffic? Benign Clustering Improves Network Intrusion Detection Performance
11:55 AM - 12:10 PM	Symmetries of Augmented Links: On Chain Links and their FAL-Equivalent Counterparts	Immuno-epidemiological Model for Transient Immune Protection	Arithmetical Structures on Canoe Paddle Graphs	Root Word Fixation and Arc Sliding		
	Differential Geometry	Algebra	Graph Theory	Discrete Mathematics	Algorithmics and Discrete Mathematics	Artificial Intelligence
2:30 PM - 2:45 PM	Curvature of Higher Dimensional Embeddings of Surfaces	An Improved Lower Bound for $GL_2(\mathbb{F}_\ell)$ Number Fields	The Number of Independent Sets of Trees, N-gons, and Benzenoids	Parking Garage Functions	Quantum Error Correcting Codes from Multidimensional Circulant Graphs	An Analysis of Lyme Disease Data with Machine Learning Tools
2:50 PM - 3:05 PM	Discontinuities in the Curvature of a Thin Elastic Ribbon	A gentle intro to functoriality: exploring TQFT's	On the hyperbolicity of the arc and curve graphs of surfaces	Avoiding Triples in the Card Game Spot It!	Cool-lex Order for Triangulations of Polygons	Enhanced Reliability Predictions: An AI-based Framework for Performing Failure Modes, Effects, and Criticality Analysis in Industrial Environments
3:10 PM - 3:25 PM	Compactification and Schwartz Functions	Cluster algebra structure on the classical (and quantum) Grassmannian				Bridging the Gap Between Data Science and Social Justice: Practices in Disrupting AI Bias