

**PARTICIPANT TALK SCHEDULE WEEK 8: AUGUST 10 –
AUGUST 14**

Participant Talk Schedule

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1:00 Tuesday: Jacob Fiedler and Ethan Schondorf: Besicovitch sets: Their existence and calculation of Hausdorff dimension

2:00 Tuesday: Letong (Carina) Hong: The dense $O(1)$ loop model (in statistical physics)

3:00 Tuesday: Sam Craig: Schramm-Loewner Evolution as a Universal Scaling Limit

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1:00 Wednesday: Jessica Metzger: Phase transitions in lattice systems

2:00 Wednesday: Lucca Prado: Differential games and viscosity solutions to Hamilton-Jacobi equations

3:00 Wednesday: Roberto Cohen: A motivated introduction to Gromov's h-principle

4:00 Wednesday: Marc de Fontnouvelle: How to make infinitely many friends: Ramsey theory in higher cardinalities

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11:00 Thursday: Nitya Gadhiwala: The Intersections of simple random walks in \mathbb{Z}^d

11:30 Thursday: Xinkai Wu: Finite projective planes and quadratic forms

12:00 Thursday: John Hopper: Basic enumerative Geometry without cohomology

1:30 Thursday: Sabrina Mi: Algebraic statistics

2:00 Thursday: Xifan Yu: A survey of the Neggers-Stanley conjecture

2:30 Thursday: Andrew Burke: Hopf algebras and the Steenrod algebra

3:30 Thursday: Isaac Martin: Algebraic de Rham cohomology and the Hodge spectral sequence

4:00 Thursday: Yuchen Chen: Fulton's trace formula and varieties over finite fields

4:30 Thursday: Kenz Kallal: Trace formula methods: Maass forms, prime geodesics, and class numbers

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11:00 Friday: Sharon Zhou: Reductions of finite spaces and homotopy types of simplicial complexes

11:30 Friday: Jinghui Yang: Algebraic K-theory and Hochschild Homology

12:00 Friday: Beckham Myers: What does the category of manifolds look like?

1:00 Friday: Yuxi (Jennifer) Sun: Changing ground category in operad theory

1:30 Friday: Letong Hong: Model category and cofibrant posets

2:00 Friday: Elle Kamlin Bower: A topic in the theory of finite spaces

2:30 Friday: Gabrielle Li: Introduction to orientation theory of bundles

3:30 Friday: Maxwell Johnson: equivariant stable homotopy categories

4:00 Friday: Joshua Enwright Mackey, Green and Tambara Functors

4:30 Friday: Shangjie (Richard) Zhang: Examples of nonabelian G Mackey functors and the box product

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