

Capsule Talk Time Slots
August 23, 2021

Algebra: Room 3096 East Hall
Moderator: Alex Perry

- 9.00-9.20 Nate Harman-*Defining Characteristic Revisited*
- 9.25-9.45 Matthew Harrison-Trainor- *Computability and Definability*
- 9.50-10.10 Lena Ji- *The Noether-Lefschetz theorem in characteristic 0*
- 10.15-10.45 Break- coffee and snacks available: **3rd floor East Hall by elevator**
- 10.45-11.05 Mirko Mauri - *Topology of algebraic varieties: compactifications vs fiber spaces*
- 11.10-11.30 Enrica Mazzon - *A non-archimedean journey*

Actuarial-Finance, Combinatorics, Geometry, Number Theory:
Room 3088 East Hall
Moderators: Asaf Cohen, Thomas Lam

- 9.00-9.20 Qi Feng-*Accelerating Convergence of Stochastic Gradient MCMC: algorithm and theory*
- 9.25-9.45 Donghan Kim- *Overview of Stochastic Portfolio Theory*
- 9.50-10.10 Alex Dobner- *Zeros of L-functions*
- 10.15-10.45 Break- coffee and snacks available: **3rd floor East Hall by elevator**
- 10.45-11.05 George Seelinger- *Diagonal harmonics and shuffle theorems*
- 11.10-11.30 Nir Gadish- *Configurations of points on graphs and tropical moduli spaces*

11.35-11.55 Nattalie Tamam - *Distribution of orbits of geometrically finite groups*

Applied Math: Moderator: Peter Miller
Zoom Meeting ID: 92696470847 Passcode: UMApplMath

9.00-9.20 Philip Arathoon-*Symmetry and classical mechanics*

9.25-9.45 Elliot Blackstone -*A common ground between large gap asymptotics for random matrices and the spectral theory of finite Hilbert transforms*

9.50-10.10 Maria Han-Veiga- *Towards high fidelity numerical simulations*

10.15-10.45 Break- coffee and snacks available: **3rd floor East Hall by elevator**

10.45-11.05 Dae Wook Kim -*Moment-based inference identifies a major source of heterogeneity in cell signaling dynamics*

11.10-11.30 Dao Nguyen -*Optimization of fully controlled sweeping processes*

11.35-11.55 Hai Zhu-*Fast and accurate panel-based evaluation of layer and volume potentials*