

PA_{lmetto} N_{umber} T_{heory} S_{eries} XXXV

SCHEDULE OF ACTIVITIES

(Coffee and refreshments are in the Wyman Williams Room, next to 444.)

SATURDAY, DECEMBER 10, 2022

9:30 COFFEE AND OTHER REFRESHMENTS

10:00 [LC 444] **Bailey Heath** (University of South Carolina), *Representation dimensions of algebraic tori*

10:00 [LC 422] **Jack Dalton** (University of South Carolina), *Representing positive Integers as a sum of a square-free number and a small prime*

10:30 [LC 444] **Tyler Genao** (University of Georgia), *Bounds on torsion subgroups from geometric isogeny classes of elliptic curves*

10:30 [LC 422] **Tugba Yesin** (Sabancı University), *A dynamical analogue of a question of Fermat*

11:00 [LC 444] **Sameera Vemulapalli** (Princeton University), *Bounds on successive minima of orders in number fields and related counting problems*

12:00 LUNCH (a list of restaurants in the area will be made available)

1:30 [LC 444] **Isabel Vogt** (Brown University), *Geometry of curves with abundant low degree points*

2:30 COFFEE BREAK

2:50 [LC 444] **Giacomo Viazzo** (Wake Forest University), *Improved bounds on entanglement of torsion point fields*

2:50 [LC 422] **Nathan McNew** (Towson University), *Permutations and the divisor graph of $[1, n]$*

3:20 [LC 444] **Sushmanth Jacob Akkarapakam** (Indiana University at Indianapolis), *Periodic points of an algebraic function related to a continued fraction of Ramanujan*

3:20 [LC 422] **Tom Wright** (Wofford College), *Prime gaps and Siegel zeroes after Zhang*

3:50 [LC 444] **Frederick Saia** (University of Georgia), *A volcanic approach to CM points on Shimura curves*

3:50 [LC 422] **Jacob Juillerat** (University of North Carolina at Pembroke), *Sums of four Pell numbers as powers of 3*

4:20 COFFEE BREAK

4:40 [LC 444] **Edgar Costa** (MIT), *Computing isogeny classes of principally polarized abelian surfaces over the rationals*

SUNDAY, DECEMBER 11, 2022

8:30 COFFEE AND OTHER REFRESHMENTS

9:00 [LC 444] **Andrew Kobin** (Emory University), *Categorifying zeta and L-functions*

9:00 [LC 422] **Mohamed Wafik ElSheikh** (University of South Carolina), *Construction of polynomials with prescribed divisibility conditions on the critical orbit*

9:30 [LC 444] **Tianyu Ni** (Clemson Univ.), *Rankin-Cohen brackets of vector valued Eisenstein series*

9:30 [LC 422] **Robert Groth** (Univ. of South Carolina), *Constructing generalized Sierpiński numbers*

10:00 COFFEE BREAK

10:20 [LC 444] **Riad Masri** (Texas A&M University), *The distribution of short orbits of singular moduli*

11:20 [LC 444] **Santiago Arango-Piñeros** (Emory University), *Frobenius eigenvalues of abelian varieties over finite fields*

11:20 [LC 422] **Torre Caparatta** (UNC Greensboro), *Zeros of fractional derivatives of polynomials*

11:50 [LC 444] **Jacob Mayle** (Wake Forest University), *An effective open image theorem for products of abelian varieties*

11:50 [LC 422] **Kalani Thalagoda** (University of North Carolina Greensboro), *Computational aspects of modular forms*

12:20 END OF CONFERENCE
