South **E**ast **R**egional **M**eeting **O**n **N**umbers

Schedule of Activities
(All talks are in Room 412 of LeConte.)

FRIDAY

4:30 P.M.–5:20 P.M. **Trevor Wooley** (University of Michigan), *"A tale of two cubics"*

5:30 P.M.–6:30 P.M. DEPARTMENTAL GATHERING FOR TREVOR WOOLEY (Wyman Williams Room)

6:30 P.M.–10:30 P.M. SOCIAL GATHERING AT BOB MURPHY'S HOUSE

SATURDAY

8:15 COFFEE AND DOUGHNUTS (Wyman Williams Room)

8:45 **Fred Howard** (Wake Forest University), *"Sums of powers of generalized Fibonacci numbers"*

9:10 **Dan Baczkowski** (University of South Carolina), *"On rational values of $\tau(n!)/m!$, $\phi(n!)/m!$ and $\sigma(n!)/m!$"*

9:35 **Konstantin I. Oskolkov** (University of South Carolina), *"On the double exponential sums with the hyperbolic phase"*

10:00 **Sharon Brueggeman** (University of Tennessee at Chattanooga), *"Are there nonsolvable extensions of quadratic fields with small prime-power discriminants?"*

10:25 COFFEE BREAK (Wyman Williams Room)

10:45 **Eva Goedhart** (Wake Forest University), *"Explicit bounds for some linear recurrences"*

11:10 **John D. Foley** (Wake Forest University), *"Maximal finite order linear recurrences and related integer sequences"*

11:35 **Theresa Vaughan** (UNC at Greensboro), *"More on 3-sets in union-closed families: the end is in sight"*

12:00 LUNCH BREAK

1:30–2:20 **Florian Luca** (Mathematical Institute UNAM), *"Waring type problems with factorials modulo p"*

2:25 **Pante Stănică** (Auburn University Montgomery), *"Prime divisors of Lucas sequences"*

2:50 **Gary Walsh** (University of Ottawa), *"An explicit version of Thue's method with applications"*

3:15 **Greg Dresden** (Washington & Lee University), *"Transcendental numbers from the last non-zero digits of $n!$ and F_n"*

3:40 COFFEE BREAK (Wyman Williams Room)

4:00 **Milton H. Nash** (University of Louisville), *"Special values of Hurwitz zeta functions"*

4:25 **Michael P. Knapp** (Loyola College), *"Homogeneous additive equations in finite fields"*

4:50 **Jon Grantham** (IDA/CCS), *"Collecting primes with $p^2 - 1$ 829-smooth, or reduced sets for likely solutions to the $620 problem"*

5:15 **Shannon Purvis** (Clemson University), *"Investigating the Calkin-Wilf sequence"*

5:40 SHORT BREAK FOLLOWED BY PROBLEM SESSION

6:45 P.M.–10:30 P.M. SOCIAL GATHERING AT MICHAEL FILASETA'S HOUSE

SUNDAY

8:00 COFFEE AND DOUGHNUTS (Wyman Williams Room)

8:30 **Gang Yu** (University of South Carolina), *"The Sato-Tate conjecture on average"*

8:55 **Bryan Faulkner** (Clemson University), *"Counting even partitions and Selmer group elements"*

9:20 **Hua Wang** (University of South Carolina), *"All but 49 numbers are Wiener indices of trees"*

9:45 **Mark Kozek** (University of South Carolina), *"On a conjecture concerning Sierpinski numbers"*

10:10 COFFEE BREAK (Wyman Williams Room)

10:30 **Lenny Jones** (Shippensburg University), *"Sequences of reducible $\{0, 1\}$-polynomials modulo a prime"*

10:55 **Carrie Finch** (University of South Carolina), *"Two questions concerning $\{0, 1\}$-polynomials"*

11:20 **Michael Mossinghoff** (Davidson College), *"Barker sequences and Littlewood polynomials"*

11:45 **Darrin Doud** (Brigham Young Univ.), *"Distinguishing contragredient Galois representations in characteristic two"*

12:10 **Jaykov Foukzon** (Israel Institution of Tech.), *"The solution of one very old problem in transcendental number theory"*

12:35 **Ognian Trifonov** (University of South Carolina), *"On a problem of Ore"*

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