CANT 2009 Program

Tuesday, May 26, 2009

CUNY Graduate Center, Room C198

8:30 - 9:15 a.m. Registration and coffee

9:15 - 10:00 a.m. **Kevin O'Bryant**, College of Staten Island (CUNY)
"Sets of integers without long arithmetic progressions"

10:10 - 10:55 a.m. **Brooke Orosz**, Essex County College
"h-fold sum and difference Sets"

11:05 - 11:50 a.m. **Steven J. Miller**, Williams College
"When almost all sets are difference dominated"

12:00 - 1:00 p.m. **Lunch** and math movie
"N is a Number"

1:00 - 1:45 p.m. **Peter Hegarty**, Chalmers University of Technology
and University of Gothenburg, Sweden
"A generalised Cameron-Erdős conjecture"

1:55 - 2:40 p.m. **Mariah Hamel**, University of Georgia
"Sums of sets of primes with positive relative density"

2:50 - 3:35 p.m. **Simon Griffiths**, University of Montreal
"Subset sums in finite abelian groups"

3:45 - 4:30 p.m. **Lan Nguyen**, University of Michigan
"Quantum integers and the solutions of some functional
equations arising from their multiplication"

4:30 -5:00 p.m. **Problem session 1**

5:00 - 6:30 p.m. **Wine and cheese reception**
in the mathematics common room on the fourth floor

CANT 2009 Program

Wednesday, May 27, 2009

CUNY Graduate Center, Room C198

8:30 - 9:15 a.m.	Registration and coffee
9:15 - 10:00 a.m.	**Renling Jin**, College of Charleston "Freiman's 3k-3+b conjecture for almost bi-arithmetic progressions"
10:10 - 10-55 a.m.	**Mei-Chu Chang**, University of California - Riverside "Some consequences of the polynomial Freiman-Ruzsa conjecture"
11:05 - 11: 50 a.m.	**Mohamed El Bachraoui**, United Arab Emirates University "Partitions with relatively prime parts"
12:00 - 1:00 p.m.	**Lunch and math movie** "Fermat's Last Tango" (part 1)
1:00 - 1:45 p.m.	**Mario Szegedy**, Rutgers University - New Brunswick " Algorithms to tile the infinite grid with finite clusters"
1:55 - 2:40 p.m.	**Alex Iosevich**, University of Missouri - Columbia "Point configurations in discrete, continuous, and arithmetic settings"
2:50 - 3:35 p.m.	**Gang Yu**, Kent State University "A graph labeling and some additive problems"
3:45 - 4:30 p.m.	**Melvyn B. Nathanson**, Lehman College (CUNY) "Geometric group theory and additive number theory"
4:30 -5:00 p.m.	**Problem session 2**
6:30 p.m.	**Conference dinner** at Madras Mahal, a vegetarian Indian restaurant at 104 Lexington Avenue (just north of 27th Street)

CANT 2009 Program

Thursday, May 28, 2009

CUNY Graduate Center, Room C198

8:30 - 9:15 a.m.	Registration and coffee
9:15 - 10:00 a.m.	**Julia Wolf**, Rutgers University-New Brunswick "The minimum number of monochromatic 4-term progressions"
10:10 - 10-55 a.m.	**Le Thai Hoang**, UCLA "Green-Tao theorem in function fields"
11:05 - 11:50 a.m.	**Neil Lyall**, University of Georgia "Simultaneous optimal polynomial return times"
12:00 - 1:00 p.m.	**Lunch and math movie** "Fermat's Last Tango" (part 2)
1:00 - 1:45 p.m.	**Hoi H. Nguyen**, Rutgers University-New Brunswick "On squares in sumsets"
1:55 - 2:40 p.m.	**Craig Spencer**, Institute for Advanced Study "Roth's theorem in function fields"
2:50 - 3:35 p.m.	**Jaewoo Lee**, Borough of Manhattan Community College (CUNY) "Construction of dense bases of integers with a prescribed representation function"
3:45 - 4:30 p.m.	**Charles Helou**, Pennsylvania State University - Brandywine "Asymptotic rate and the number of representations"
4:30 -5:00 p.m.	**Problem session 3**
5:00 - 6:30 p.m.	**Reception** in the mathematics common room on the fourth floor

Friday, May 29, 2009

CUNY Graduate Center, Room C205

8:30 - 9:15 a.m.   Registration and coffee

9:15 - 10:00 a.m.   **Kent Boklan**, Queens College (CUNY)
"Every multiple of 4 except 212, 364, 420, and 428 is the sum of seven cubes"

10:10 - 10:55 a.m.   **Benjamin Weiss**, University of Michigan
"Galois groups of p-adic polynomials of fixed degree"

11:05 - 11:50 a.m.   **Jonathan Sondow**, New York
"Ramanujan Primes and Bertrand's Postulate"

12:00 - 1:00 p.m.   **Lunch and math movie**
"Hard Problems"

1:00 - 1:45 p.m.   **Li Guo**, Rutgers University - Newark
"Euler's formulas for double zeta values and double shuffle
relations of multiple zeta values"

1:55 - 2:30 p.m.   **Urban Larsson**, Chalmers University of Technology
and University of Gothenburg, Sweden
"Pairs of m-complementary Beatty Sequences and Wythoff's game"

2:40 - 3:25 p.m.   **Rishi Nath**, York College (CUNY)
"Some combinatorial properties of 3-cores"

3:35 - 4:20 p.m.   **Shanta Laishram**, University of Waterloo
"Irreducibility of generalized Hermite-Laguerre polynomials"

4:30 - 8:00 p.m.   Excursion to the Museum of Modern Art

Saturday, May 30, 2009

CUNY Graduate Center, Math Common Room, 4th floor

10:30 - 12:30 p.m.   **Problem Session 4**

5:00 - 9:00 p.m.   **Party and barbecue** at Mel Nathanson's house