

**Harmonic Analysis and Related Areas
September 24 – 28, 2017**

Schedule

Sunday, September 24 – Humanities

- 10:30-11:00 Registration
- 11:00-12:00 Nalini Anantharaman (joint with Ergodic Theory, L3)
- 12:00-13:30 Lunch
- 13:30-14:30 Ciprian Demeter, *Decoupling beyond uniform sets*
- 15:00-16:00 Josh Zahl, *Breaking the $3/2$ barrier for unit distances in three dimensions*
- 16:00-16:30 Coffee

Monday, September 25 – L3

- 10:30-11:00 Coffee
- 11:00-12:00 Tom Sanders, *The cost of commuting*
- 12:00-13:30 Lunch
- 13:30-14:30 Ben Green, *The arithmetic Kakeya conjecture of Katz and Tao*
- 15:00-16:00 Trevor Wooly
- 16:00-16:30 Coffee

Tuesday, September 26 – L3

- 9:30-10:30 Izabella Laba,
- 10:30-11:00 Coffee
- 11:00-12:00 Chris Sogge, *On the concentration of eigenfunctions*
- 12:00-13:30 Lunch
- 13:30-14:30 Elon Lindenstrauss,
- 15:00-16:00 Stefanie Petermichl,
- 16:00-16:30 Coffee

Wednesday, September 27 – Clay Research Conference – L1

- 10:00-11:00 Larry Guth, *Introduction to decoupling*
- 11:00-11:30 Coffee
- 11:30-12:30 Bertrand Toën, *Algebraic geometry, categories and trace formulas*
- 12:30-14:00 Lunch
- 14:00-15:00 Ovidiu Savin, *From second order equations to nonlocal PDEs*
- 15:00-15:30 Coffee
- 15:30-16:30 Tamar Ziegler, *Dynamics, arithmetic progressions and approximate cohomology*
- 16:30-17:30 Presentation of the 2017 Clay Research Awards
- 17:30-19:00 Reception in the Mathematical Institute

Thursday, September 28 – L3

- 10:00-10:30 Coffee
- 10:30-11:30 Jonathan Bennett
- 11:30-13:30 Lunch
- 13:30-14:30 Christoph Thiele,
- 15:00-16:00 Polona Durcik, *Entangled multilinear forms and applications*
- 16:00-16:30 Coffee