Workshop on Additive Combinatorics
And Algebraic Connections
Sponsored by Dr. John P. Hempel

(All talks will be in Simonyi Hall 101)

Mon., October 24, 2022 **https://theias.zoom.us/j/86042166832**

10:00 AM – 11:00 AM	Emmanuel Breuillard, Random character varieties
11:15 AM – 12:15 PM	Miguel Walsh, The polynomial method and high-degree varieties
12:15 PM – 2:00 PM	Lunch in the Simons Dining Hall
2:00 PM – 3:00 PM	Rachel Greenfeld, The failure of the periodic tiling conjecture
3:00 PM – 3:45 PM	Coffee/Tea in the Fuld Common Room

Tues., October 25, 2022 https://theias.zoom.us/j/82701751003

10:00 AM – 11:00 AM	Jop Briet, Polynomial maps with noisy input-distributions
11:15 AM – 12:15 PM	Guy Moshkovitz, Ranks of tensors
12:15 PM – 2:00 PM	Lunch in the Simons Dining Hall
2:00 PM – 3:00 PM	Shachar Lovett, The monomial structure of boolean functions
3:00 PM – 4:00 PM	Coffee/Tea in the Fuld Common Room
4:00 PM – 5:00 PM	Peter Pach, The Alon-Jaeger-Tarsi conjecture via group ring identities

Wed., October 26, 2022 https://theias.zoom.us/j/88285801978

10:00 AM – 11:00 AM	Andrew Snowden, Tensorial forms in infinite dimensions
11:15 AM – 12:15 PM	Harm Derksen, G-stable rank and the cap set problem
12:15 PM – 2:00 PM	Lunch in the Simons Dining Hall
2:00 PM – 3:00 PM	Jan Draisma, On tensor properties preserved under linear maps
3:00 PM – 4:00 PM	Coffee/Tea in the Fuld Common Room

Thurs., October 27, 2022 https://theias.zoom.us/j/86809980237

10:00 AM – 11:00 AM	Sarah Peluse, Bounds for subsets of $\mathbb{F}_p^n \times \mathbb{F}_p^n$ without L-shaped configurations
11:15 AM – 12:15 PM	Luka Milicevic, Quantitative inverse theorem for Gowers uniformity norms U^5 and U^6 in $\mathbb{F}_2^n$
12:15 PM – 2:00 PM	Lunch in the Simons Dining Hall
2:00 PM – 3:00 PM	Caroline Terry, Higher order stability and quadratic arithmetic regularity lemmas
3:00 PM – 4:00 PM	Coffee/Tea in the Fuld Common Room

Fri., October 28, 2022   https://theias.zoom.us/j/86714568936

10:00 AM – 11:00 AM   Will Sawin, Towards a geometric analogue of Sarnak's conjecture

11:15 AM – 12:15 PM   Simon Machado, Approximate lattices in algebraic groups

12:15 PM – 2:00 PM   Lunch in the Simons Dining Hall

2:00 PM – 3:00 PM   Noam Lifshitz, Product free sets in groups

3:00 PM – 4:00 PM   Coffee/Tea in the Fuld Common Room

~END