



# Harmonic Analysis in Computer Science and Combinatorics

February 2 – March 3, 2006

Thu, Feb 2	9 – 12	HARMONIC ANALYSIS IN COMPUTER SCIENCE AND COMBINATORICS <i>Nathan Linial</i>
	14 – 17	EXERCISES
Fri, Feb 3	9 – 12	HARMONIC ANALYSIS IN COMPUTER SCIENCE AND COMBINATORICS <i>Nathan Linial</i>
	14 – 17	EXERCISES
Mon, Feb 6	9 – 12	HARMONIC ANALYSIS IN COMPUTER SCIENCE AND COMBINATORICS <i>Nathan Linial</i>
	14 – 17	EXERCISES
Tue, Feb 7	9 – 12	HARMONIC ANALYSIS IN COMPUTER SCIENCE AND COMBINATORICS <i>Nathan Linial</i>
	14 – 17	EXERCISES
Wed, Feb 8	10:40	57TH MATHEMATICAL COLLOQUIUM, COMPLEXITY MEASURES OF SIGN MATRICES <i>Nathan Linial</i>
Thu, Feb 9	10:40	HARMONIC ANALYSIS AND LATTICES <i>Oded Regev</i>
	14:00	HARMONIC ANALYSIS AND LATTICES, THE SEQUEL (1/2) <i>Oded Regev</i>
Fri, Feb 10	10:40	HARMONIC ANALYSIS AND LATTICES, THE SEQUEL (2/2) <i>Oded Regev</i>
Mon, Feb 13	9 – 12	HARMONIC ANALYSIS IN COMPUTER SCIENCE AND COMBINATORICS <i>Nathan Linial</i>
	14 – 17	EXERCISES
Tue, Feb 14	9 – 12	HARMONIC ANALYSIS IN COMPUTER SCIENCE AND COMBINATORICS <i>Nathan Linial</i>
	14 – 17	EXERCISES
Wed, Feb 15	10:40	CAN ONE DO BETTER BY NOT USING HARMONIC ANALYSIS? <i>Alex Samorodnitsky</i>
Thu, Feb 16	10:40	GOWERS UNIFORMITY, INFLUENCE OF VARIABLES, AND PCPS <i>Alex Samorodnitsky</i>
	14:00	CHARACTERS AND THE PROJECTIVE NORM-GRAPHS <i>Tibor Szabó</i>
Fri, Feb 17	10:40	EDGE-ISOPERIMETRIC INEQUALITIES AND INFLUENCES <i>Alex Samorodnitsky</i>

Mon, Feb 20	9 – 12	HARMONIC ANALYSIS IN COMPUTER SCIENCE AND COMBINATORICS <i>Gil Kalai</i>
	14 – 17	EXERCISES
Tue, Feb 21	9 – 12	HARMONIC ANALYSIS IN COMPUTER SCIENCE AND COMBINATORICS <i>Gil Kalai</i>
	14 – 17	EXERCISES
Wed, Feb 22	10:40	58TH MATHEMATICAL COLLOQUIUM, CONVEXITY, CONVEX POLYTOPES AND COMBINATORICS <i>Gil Kalai</i>
Thu, Feb 23	10:40	AN INTRODUCTION TO THE THEORY OF BI-LIPSCHITZ EMBEDDINGS <i>Assaf Naor</i>
	14:00	EMBEDDING LOWER BOUNDS VIA FOURIER ANALYSIS <i>Assaf Naor</i>
Mon, Feb 27	9 – 12	HARMONIC ANALYSIS IN COMPUTER SCIENCE AND COMBINATORICS <i>Gil Kalai</i>
	14 – 17	EXERCISES
Tue, Feb 28	9 – 12	HARMONIC ANALYSIS IN COMPUTER SCIENCE AND COMBINATORICS <i>Gil Kalai</i>
		EXAM
Wed, Mar 1	10:40	COMBINATORIAL, ANALYTIC AND NUMBER THEORETIC ASPECTS OF THE ERDÖS/FALCONER CONJECTURES <i>Alex Iosevich</i>
Thu, Mar 2	10:40	COMBINATORIAL, ANALYTIC AND NUMBER THEORETIC ASPECTS OF THE ERDÖS/FALCONER CONJECTURES <i>Alex Iosevich</i>
Fri, Mar 3	10:40	COMBINATORIAL, ANALYTIC AND NUMBER THEORETIC ASPECTS OF THE ERDÖS/FALCONER CONJECTURES <i>Alex Iosevich</i>

The exercise sessions will be lead by Dvir Falik and Haran Pilpel.