

Spring Mini Courses
in
Analysis and Geometry

February 8 - 11, 2018

Louisiana State University, Baton Rouge, Louisiana

The program consists of three courses and two sessions of talks.

Falconer's Conjecture

Speaker: Alex Iosevich - University of Rochester

Feichtinger's Conjecture - Frame Theory

Speaker: Peter G. Casazza - University of Missouri

Fuglede's Conjecture

Speaker: Palle E.T. Jorgensen - University of Iowa

Schedule			
Friday	8:30 - 9:15	Lecture 1: Falconer's Conjecture <i>Alex Iosevich</i>	Lockett 285
	9:15 - 9:45	Seminar 1: Falconer's Conjecture <i>Alex Iosevich</i>	Lockett 285
	9:45 - 10:00	Coffee break	Lockett 285
	10:00 - 10:45	Lecture 2: Feichtinger's Conjecture <i>Peter Casazza</i>	Lockett 232
	10:45 - 11:15	Seminar 2: Feichtinger's Conjecture <i>Peter Casazza</i>	Lockett 232
	11:15 - 11:30	Coffee break	Lockett 232
	11:30 - 12:15	Lecture 3: Fuglede's Conjecture <i>Palle Jorgensen</i>	Lockett 241
	12:15 - 1:15	Lunch	
	1:15 - 1:45	Seminar 3: Fuglede's Conjecture <i>Palle Jorgensen</i>	Lockett 241
	1:45 - 2:15	Coffee break	Lockett 241
	2:15 - 2:35	Fourier Analysis on Groups and Grassmannian Packings <i>Emily King</i>	Lockett 276
	2:40 - 3:00	Falconer type theorems for higher order point configurations <i>Eyvindur Palsson</i>	Lockett 276
	3:05 - 3:25	Falconer-type problems over finite fields <i>Hans D. Parshall</i>	Lockett 276
	3:30 - 3:50	Fuglede's Formula for Horospherical Transforms <i>Boris Rubin</i>	Lockett 276

Schedule			
Saturday	8:30 - 9:15	Lecture 1: Feichtinger's Conjecture <i>Peter Casazza</i>	Lockett 5
	9:15 - 9:45	Seminar 1: Feichtinger's Conjecture <i>Peter Casazza</i>	Lockett 5
	9:45 - 10:00	Coffee break	
	10:00 - 10:45	Lecture 2: Fuglede's Conjecture <i>Palle Jorgensen</i>	Lockett 5
	10:45 - 11:15	Seminar 2: Fuglede's Conjecture <i>Palle Jorgensen</i>	Lockett 5
	11:15 - 1:30	Coffee break	
	11:30 - 12:15	Lecture 3: Falconer's Conjecture <i>Alex Iosevich</i>	Lockett 5
	12:15 - 2:15	Lunch	
	2:15 - 2:45	Seminar 3: Falconer's Conjecture <i>Alex Iosevich</i>	Lockett 5
	2:45 - 3:00	Coffee break	
	3:00 - 3:20	Atomic decompositions of Bergman spaces on tube type domains <i>Jens Christensen</i>	Lockett 5
	3:25 - 3:45	Smooth and symmetric convex sets with no orthogonal Gabor bases <i>Azita Mayeli</i>	Lockett 5
	3:50 - 4:10	Dynamical sampling and frames generated by iterative actions of operators <i>Roza Aceska</i>	Lockett 5
4:15 - 4:35	The approximation of almost-time and band-limited functions by their expansion in some orthogonal polynomial base <i>Susanna Spektor</i>	Lockett 5	
Sunday	9:30 - 10:15	Fuglede's Conjecture <i>Palle Jorgensen</i>	Lockett 5
	10:30 - 11:15	Falconer's Conjecture <i>Alex Iosevich</i>	Lockett 5
	11:30 - 12:15	Feichtinger's Conjecture <i>Peter Casazza</i>	Lockett 5