

WORKSHOP ON DYNAMICAL METHODS IN SPECTRAL THEORY OF QUASICRYSTALS

DEPARTMENT OF MATHEMATICS, UC IRVINE • MAY 16 – 19, 2013

www.math.uci.edu/ds-workshop

ABOUT THE WORKSHOP

The mathematical theory of quasicrystals has been actively developing since the discovery of quasicrystals in early 1980's. Today it attracts researchers from pure and applied mathematics, physics and chemistry. Particularly fruitful has been the interaction between spectral theory of quasicrystals, and dynamical systems, which is the focus of the workshop.

This workshop is especially suited for graduate students and postdoctoral researchers who are interested in the field.

For more information, please visit www.math.uci.edu/ds-workshop.

MINI-COURSES

1. *Winnier Transform and Bloch Theory for Aperiodic Repetitive FLC Tilings*
J. Bellissard (Georgia Tech)
2. *Trace Map Dynamics and Spectral Properties of the Fibonacci Hamiltonian*
D. Damanik (Rice University) and A. Gorodetski (UC Irvine)
3. *Spectral Theory of Self-Similar Lattices and Dynamics of Rational Maps*
C. Sabot (Université Lyon 1, France)
4. *Spectral Theory and Dynamics of Quasiperiodic Jacobi Cocycles*
S. Jitomirskaya (UC Irvine) and C. Marx (Caltech)

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