

## Seminars - Academic Year 2006 – 2007

**Monday 30th October 2006:-** Jun Miao

Dimensions of Self-Affine Fractals Generated by Upper-Triangular Matrices.

From the 27th November 2006 till the 18th December 2006 there will be a series of lectures on *Pierre de la Harpe* and *Vaughan Jones* book **An Introduction to  $C^*$  Algebras**.

**Monday 27th November 2006:-** Arron Sloan

Chapter 1 - Bounded Operators on Hilbert Spaces.

**Monday 4th December 2006:-** Tony Samuel

Chapter 2 - Algebras of Operators, definitions and examples.

**Monday 11th December 2006:-** Martial Hille

Chapter 2 - Algebras of Operators, definitions and examples (continued).

**Monday 18th December 2006:-**

Discussion forum on *Pierre de la Harpe* and *Vaughan Jones* book **An Introduction to  $C^*$  Algebras** Chapters 1 and 2.

From the Monday January 29th there will be a series of lectures on **Applications of Dynamical Systems to Fractals**. The main reading sources for these lectures will be *Tim Bedford's* lecture notes titled **Applications of Dynamical Systems to Fractals** and *Kenneth Falconer* book titled **Techniques in Fractal Geometry**.

**Monday 29th January 2007:-** Arron Sloan

A brief Introduction.

**Monday 5th February 2007:-** Jun Miao

The Pressure Function and The Gibbs Measure.

**Monday 26th February 2007:-** Prof Kenneth Falconer

Sullivan's classification of Cocycles.

This completes the short course on **Applications of Dynamical Systems to Fractals**. For the following few weeks there will be a series of lectures given by the postgraduate students on topics of their choosing.

**Monday 5th March 2007:-** Martial Hille

Introduction to Riemannian Manifolds.

**Monday 12th March 2007:-** Sara Munday

Transfer Operators (Part I).

**Monday 9th April 2007:-** Sara Munday

Transfer Operators (Part II).

**Monday 23th April 2007:-** Sara Munday

Transfer Operators (Part III).

**Monday 30th April 2007:-** Tony Samuël

Groupoids and their connection to Noncommutative Geometry (Part 1).