



The London
Mathematical
Society



Spitalfields Day

School of Mathematics, Lecture Room M/0.40, Cardiff University

Monday 17 May 2010, 2.00 pm

Noncommutative Geometry and Physics

Terry Gannon (Alberta)

K-theory and Conformal Field Theory

Nigel Higson (Penn State)

*The Baum-Connes Conjecture and Group Representations:
C*-algebras, unitary group representations and topology*

This Spitalfields Day is organised in connection with a EU-RTN programme in Cardiff on noncommutative geometry and mathematical physics. The talks by internationally leading experts are centered around recent developments in the theory of noncommutative geometry, index theory, modular invariants and related areas.

These lectures are aimed at a general mathematical audience. All interested, whether LMS members or not, are most welcome to attend this event. For further details, to register or to reserve a place at the dinner, email the organisers David Evans EvansDE@cf.ac.uk or Mathew Pugh PughMJ@cf.ac.uk. The cost of the dinner will be approximately £30, including drinks.

Nigel Higson will continue during the week with a series of talks on *The Baum Connes Conjecture and Group Representations: Contractions of Lie groups and the Mackey analogy; Harish-Chandra homomorphisms; The Weyl character formula in KK-theory.*

<http://www.cardiff.ac.uk/math/subsites/opalg/eu-ncg/fs6.html>

There are funds available to contribute in part to the expenses of members of the Society or research students to attend the day. Requests for support, including an estimate of expenses, may be addressed to the organisers.

The London Mathematical Society believes that it is important for recent developments in specialist topics to be made known to the general mathematical community, and, in particular, to research students. It therefore provides funds to the organisers of these meetings so that they can provide a day of survey lectures, accessible to a general mathematical audience.

These days are called Spitalfields Days, in honour of the Spitalfields Mathematical Society, a precursor of the London Mathematical Society which flourished from 1717 to 1845.

The London Mathematical Society is the UK's learned society for mathematics. Founded in 1865 for the promotion and extension of mathematical knowledge, the Society has a membership of over 2500 drawn from all parts of the UK and overseas. Its principal activities are the organisation of meetings and conferences, publication of journals and books, provision of financial support for mathematical activities, and contribution to public debates on issues related to mathematics, research and education.

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