

Dipartimento di Matematica
Dell' Università degli Studi di Bologna

**ANALYTICAL AND ARITHMETICAL FEATURES
IN
NONCOMMUTATIVE GEOMETRY**

BOLOGNA, 9 - 14 June 2003

Days 9, 13: VIII piano room

Days 10, 11,12: Seminario II room

Monday, 9

- 11 — **S. ROSENBERG**, The geometry of the zeta function of a manifold I
- 15 — **G. LANDI**, Index theorem on deformed spheres
- 16 — **D. PERROT**, Topics in algebraic K-theory
- 17 — **P. PIAZZA**, Superconnections, heat kernels and noncommutative index theory I
- 18 — **L.DABROWSKI**, Dirac operator on the Podleś quantum sphere

Tuesday, 10

- 11 — **R. PLYMEN**, Noncommutative geometry: illustrations from the representation theory of $GL(n)$ I
- 14 — **P. PIAZZA**, Superconnections, heat kernels and noncommutative index theory II
- 15 — **S. ROSENBERG**, The geometry of the zeta function of a manifold II
- 16 — **E. HAWKING**, Quantization of multiply connected manifolds
- 17 — **B. DUBROVIN**, Differential Geometry and integrable systems

Wednesday, 11

- 11 — **R. PLYMEN**, Noncommutative geometry; illustrations from the representation theory of $GL(n)$ II
- 12 — **R. FIORESI**, Supervarieties and deformations
- 15 — **S. ROSENBERG**, The geometry of the zeta function of a manifold III
- 16 — **P. PIAZZA**, Superconnections, heat kernels and noncommutative index theory III
- 17 — **P. ALMEIDA**, Basics for Noncommutative Geometry of Numbers I
- 18 — **N. CICCOLI**, Quantum even spheres from Poisson double suspension

Thursday, 12

- 11 — **R. PLYMEN**, Noncommutative geometry; illustrations from the representation theory of $GL(n)$ III
- 15 — **S. ROSENBERG**, The geometry of the zeta function of a manifold IV
- 16 — **P. PIAZZA**, Superconnections, heat kernels and noncommutative index theory IV
- 17 — **P. ALMEIDA**, Basics for Noncommutative Geometry of Numbers II
- 18 — **T. SCHICK**, The significance of eta invariants

Friday 13

- 11 — **R. PLYMEN**, Noncommutative geometry: illustrations from the representation theory of $GL(n)$ IV
- 15 — **N. TELEMAN**, Cyclic cohomology and combinatorial manifolds
- 16 — **S. MENDES**, Adèles and solenoids
- 17 — **P. ALMEIDA**, Basics for Noncommutative Geometry of Numbers III

Interested people should contact A. Vaz Ferreira; vaz@dm.unibo.it; fax; 0039 051 209 4490.