

# ACCADEMIA NAZIONALE DEI LINCEI

CENTRO LINCEO INTERDISCIPLINARE <<BENIAMINO SEGRE>>

## CONVEGNO INTERNAZIONALE MATHEMATICS TOWARDS THE THIRD MILLENNIUM

27-29 MAGGIO 1999

COMITATO SCIENTIFICO: S. Abeasis, E. Arbarello, V. Baldoni, G. Jona Lasinio, G. M. Piacentini Cattaneo, E. Prestini, C. Rossi, E. Strickland, G. Tarantello

### Giovedì 27 maggio

- 8.30 Registrazione
- 9.30 Saluto della Presidenza dell'Accademia e del Direttore del Centro Linceo Interdisciplinare
- 10.00 A. CONNES: *Noncommutative Geometry*
  - 11.00 Intervallo
- 11.30 Y. MEYER: *New Interactions between Mathematics and Image Processing*
- 14.00 M. GROMOV: *What about Geometry and Geometrization?*
  - 15.00 Intervallo
- 15.30 C. FEFFERMAN: *The Euler and Navier Stokes Equations*
- 16.30 V. ARNOLD: *Polymathematics: Is Mathematics a Set of Arts or a Single Science?*

### Venerdì 28 maggio

- 10.00 M. KONTSEVITCH: *Towards Non-commutative Algebraic Geometry*
  - 11.00 Intervallo
- 11.30 D. VOGAN: *Unitary Representations of Reductive Lie Groups*
- 14.00 K. UHLENBECK: *Geometry and Partial Differential Equations*
  - 15.00 Intervallo
- 15.30 M. TALAGRAND: *Probability and Spin Glasses*
- 16.30 P. GRIFFITHS: *Mathematics and Sciences: Is Interdisciplinary Research Possible?*

### Sabato 29 maggio

- 9.30 D. MUMFORD: *The Displacement of Logic by Probability in Pure and Applied Mathematics*
  - 10.30 Intervallo
- 11.00 E. LIEB: *The Mathematics of Quantum Mechanics and the Stability of Matter*
- 12.00 E. BOMBIERI: *Diophantine Equations in Low Dimension, Past, Present and Future*

ROMA - PALAZZINA DELL'AUDITORIO - VIA DELLA LUNGARA, 230