WORKSHOP ON DEFORMATION THEORY
in algebraic and symplectic geometry

Abdus Salam International Centre for Theoretical Physics
January 19-23, 2004

Organized by the Research Project "Geometry of Algebraic Varieties"
in collaboration with the International Centre for Theoretical Physics

Supported by:

Italian Research Project "Geometry of Algebraic Varieties"
International School for Advanced Studies
Department of Mathematics of the 3rd University of Rome
Abdus Salam International Centre for Theoretical Physics

Programme

Monday, January 19

10:00-11:00 E. Sernesi, Introduction to deformation theory of schemes (I)

11:00-11:30 Coffee break

11:30-12:30 M. Manetti, Differential graded Lie algebras and deformation theory (I)

12:30 Lunch

15:00-16:00 S. Gutt, Deformation quantization (I)

16:30-17:30 Le Dung Trang, Some problems in the geometry of versal deformations

Tuesday, January 20

10:00-11:00 E. Sernesi, Introduction to deformation theory of schemes (II)

11:00-11:30 Coffee break

11:30-12:30 S. Gutt, Deformation quantization (II)

12:30 Lunch

15:30-16:30 M. Manetti, Differential graded Lie algebras and deformation theory (II)

16:30-16:45 Coffee break

16:45-17:45 A. Otwinowska, The Noether-Lefschetz locus and Nori's connectivity theorem

Wednesday, January 21

10:00-11:00 E. Sernesi, Introduction to deformation theory of schemes (III)

11:00-11:30 Coffee break

11:30-12:30 V. Hinich, Deformations of sheaves of algebras (I)

    12:30 Lunch

        Free afternoon

    20:00 **Banquet**

Thursday, January 22

10:00-11:00 M. Manetti, Differential graded Lie algebras and deformation theory (III)

11:00-11:30 Coffee break

11:30-12:30 V. Hinich, Deformations of sheaves of algebras (II)

    12:30 Lunch

15:00-16:00 I. De Gregorio, Deformations of functions on isolated singularities

16:00-16:30 Coffee break

16:30-17:30 D. Kaledin, Fedosov quantization in an algebraic context

Friday, January 23

10:00-11:00 S. Gutt, Deformation quantization (III)

11:00-11:30 Coffee break

11:30-12:30 V. Hinich, Deformations of sheaves of algebras (III)

    12:30 Lunch

All lectures will take place in Room C of the Abdus Salam International Centre for Theoretical Physics (Terrace level).