



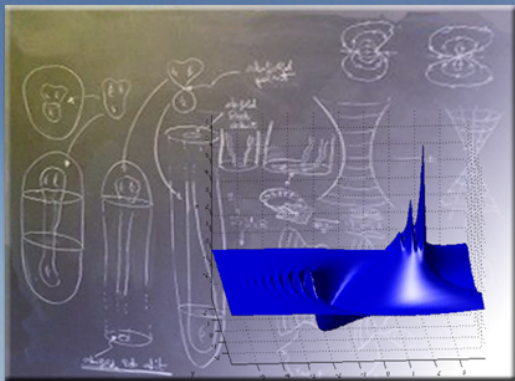
Mathematical Physics & Geometry at SISSA

Join us for postgraduate training and a cutting-edge research career at SISSA, the International School for Advanced Studies of Trieste! The SISSA Mathematical Physics Sector runs two PhD curricula, both offering the opportunity to develop the unique skills required in the fields of Mathematical Physics and Geometry.



Most of the staff members' research requires a strong interplay between mathematics and physics and involves topics which are now attracting much interest in the international scientific community. The main lines of research are:

- Integrable systems, Frobenius manifolds and nonlinear waves.
- Algebraic geometry of moduli spaces and Gromov-Witten invariants.
- Analytic and algebraic structures in non-commutative geometry.
- Mathematical Methods of Quantum Mechanics.
- Mathematical Aspects of Field Theory and String Theory.



The sector offers a wide range of postgraduate courses. Lectures are delivered both by staff members as well as leading experts who are invited on a regular basis to bring the specific skills associated to their fields of research. Students are offered financial support to attend workshops and conferences, enabling them to establish contacts within the international scientific community. The collective focus is on intensive training, to help students conduct independent research of the highest academic standard.



The environment for students within the PhD Programs is both stimulating and supportive. Located at the beautiful Miramare scientific campus, which also hosts the ICTP (International Center for Theoretical Physics) and the Theoretical Physics Department of the University of Trieste, SISSA represents one of the leading scientific institutions in Italy and is a noted center on the international stage.

If you are interested in joining us to pursue postgraduate studies in Mathematical Physics or Geometry, detailed information can be found on the sector web pages at:

<http://www.sissa.it/fm/>

Application deadline is the 10 July 2008. Besides the usual admission procedure, foreign non-EU candidates can apply for a preselection scheme.