

# The "Galileo Galilei" School of Graduate Studies

## History

At the end of 2001 the Ministry for Education, University and Research (MIUR) has decided to fund fourteen initiatives of advanced teaching and research, judged to be of particular merit. One of these was the complex of Ph. D. Schools in Chemical Sciences, Computer Science, Physics, Applied Physics and Mathematics, active in the University of Pisa with a long tradition. So these schools gave birth, at the beginning of 2002, to the "Galileo Galilei" School of Graduate Studies.

## Objectives of the School

The main objective of the School is to promote the exchange of experience on scientific, cultural, and social grounds between the individual Ph. D. programmes, Chemical Sciences, Computer Science, Physics, Applied Physics, Mathematics, so as to strengthen their educational impact.

The School aims at attracting graduates from other Italian and foreign universities. This is done by means of both exchanges with foreign institutions and grants reserved for graduates from other universities.

## Activities of the School

The School provides educational, scientific, and general services of common interest to the single Ph. D. programmes of the School

promotes the enrollment of students from other places in the Ph. D. programmes

promotes and organizes common research and study projects in collaboration with foreign Ph. D. programmes, leading to a joint qualification

promotes and develops privileged relationships with other universities and research centres, and with firms and companies, both in Italy and abroad

supports the involvement of its students in international research groups; its aim is to make particularly fruitful the study and research periods that students are encouraged to spend abroad as a completion of their training

organizes schools and intensive periods of study on innovative themes of special interest; these events will be managed in close connection with other initiatives of the Pisan scientific community

organizes every year the "Galileo Galilei Colloquium" consisting of lectures given by internationally renowned scholars

promotes the dissemination of the scientific culture by means of wide-ranging activities addressed to a general public of non-specialists.

The School expects to be included as a Training Site in the national and international circuits of post-doc positions. Post-doctoral positions and research grants will therefore be promoted to help its best students entering the circuit of post-docs and high-qualification job market.

### **Administration of the School**

The School has a Director, a School Council and a Scientific Committee.

The Director of the School, with the help of a Deputy Director, is responsible for the scientific and administrative activity.

The School Council represents all of the four scientific areas; it comprises the heads of the Ph. D. programmes and a representative of Ph. D. students; it coordinates all common activities of the programmes.

The present members of the School Council are

Fabrizio Broglia (Dipartimento di Matematica)

Fausto Calderazzo (Dipartimento di Chimica e Chimica Industriale)

Pierpaolo Degano (Dipartimento di Informatica)

Ken Konishi (Dipartimento di Fisica)

Andrea Maggiolo Schettini (Dipartimento di Informatica), Director

Francesco Pegoraro (Dipartimento di Fisica), Deputy Director

Maurizio Persico (Dipartimento di Chimica e Chimica Industriale)

Sergio Spagnolo (Dipartimento di Matematica).

The Scientific Committee consists of the Director of the School, who chairs it, and external scholars of renowned expertise in the relevant scientific areas; its function is to propose and to review the activities of the School.

The present members of the Scientific Council are:

Enrico Bombieri (Institute for Advanced Study, Princeton, New Jersey)

Hans Brintzinger (Universität Konstanz, Konstanz)

T.W. Haensch (Ludwig-Maximilians-Universität München and Max Planck

Institut für Quanten Optik)

Thomas Lengauer (Max-Planck-Institut für Informatik, Saarbrücken)

Peter M. Maitlis (University of Sheffield, Sheffield)

Mogens Nielsen (University of Aarhus and BRICS, Aarhus)

Francois Treves (Rutgers University, Piscataway, New Jersey)

Gabriele Veneziano (CERN, Geneve).

## **Funding**

These are the funds assigned by Ministry for Education, University and Research (MIUR)

For 2001 369.000 euro

For 2002 820.000 euro

For 2003 1.550.000 euro

### **Ph. D. programmes of the School**

Information on the programmes (research subjects, general activities, relationships with other institutions, and current scientific collaborators) is available at the following websites:

Chemical Sciences: <http://www.dcci.unipi.it/corsi/dottorato.html>

Computer Science: <http://www.di.unipi.it/phd/>

Physics: <http://www.df.unipi.it/dida/dottorat/hp.html>

AppliedPhysics: <http://www.df.unipi.it/dida/fisica.applicata/fisappl.html>

Mathematics: <http://www.dm.unipi.it/cg-bin/Dottorato/DoT/dottorato.cgi>

### **Admission and studentships**

Foreign students who are not resident in Italy and possess a university degree equivalent to an M.Sc. degree, granted by a foreign university, are admitted on the basis of the documentation presented.

Eight "Galileo Galilei" scholarships have been assigned for the year 2003. Each scholarship is for approximately Euro 10 000 (after tax) per year for three years.

Four additional fellowships will be made available for the year 2003 for Italians who have obtained an M.Sc. degree not in Pisa and foreigners who have chosen the regular admission examination. These fellowships are added to the fellowships offered by the single Ph. D. programmes.