

**CALL FOR PARTICIPATION**  
**3rd Max-Planck Summer School**  
**Advanced Course on the Foundations of Computer Science**  
**ADFOCS 2002**

**Saarbrücken, Germany, September 9-13, 2002**

**<http://www.mpi-sb.mpg.de/~adfocs>**

**PROGRAM**

The program consists of 12 lecture blocks and 8 tutorial/discussion sessions. The speakers and topics are the following.

- Timothy Chan, University of Waterloo: Random Sampling
- Michele Mosca, University of Waterloo: Quantum Computing
- Prabhakar Raghavan, Verity Inc.: Randomized Algorithms and the Probabilistic Method
- Gerhard Wöginger, University of Twente: Approximation Algorithms and Inapproximability

**ABOUT ADFOCS**

ADFOCS is organized as part of the activities of the Algorithms and Complexity Group and the International Max-Planck Research School of the Max-Planck-Institut für Informatik. The scope of ADFOCS is international and it is addressed mainly to young researchers at the PhD student or postdoc level. The goal of ADFOCS is to provide an overview of selected topics from the foundations of computer science and to highlight major research directions in these areas.

This years ADFOCS will address topics like random sampling, randomized algorithms, approximation algorithms as well as quantum computing. The course will highlight important problems, techniques and ongoing research in these areas. It will also emphasize the discussion of open problems and the active involvement of the participants, thus strengthening the links of cooperation between young researchers of the field.

**LOCATION & TRAVEL INFORMATION**

ADFOCS will be held at the Max-Planck-Institut für Informatik in Saarbrücken. Saarbrücken is the capital of one of Germany's 16 states, the Saarland. It is conveniently located in the center of Europe, on the border of Germany with France, between Luxembourg, the Saar-Mosel valley, Frankfurt and Strasbourg. Being located on several main train and road routes, Saarbrücken is easily reachable from Frankfurt, Stuttgart, Paris or Luxembourg. It also has its own international airport.

**REGISTRATION**

The registration fee covers lunches and social events. The deadline for early registration is August 1, 2002 and the registration fee is Euro 100.

Please note that the registration fee does not include accommodation, although MPI can help for making reservations. Per-night price including taxes and breakfast are ranging from 20 Euro (youth hostel, double room) to about 50 Euro (hotel, single room).

ALCOM-FT will provides some grants for graduate students and young researchers. Priority will be given to applications of students and young researchers from ALCOM sites.

**CONTACT**

The homepage of ADFOCS with forms for registration and hotel reservation and information about grants can be found at the above location. For further information or questions, send an e-mail to [adfocs@mpi-sb.mpg.de](mailto:adfocs@mpi-sb.mpg.de).