

**International School on Quantum Computation and Information
2 - 7 September 2002, in Lisbon, Portugal**

Optics Section
The Blackett Laboratory
Imperial College
London SW7 2BZ
United Kingdom

London, 15th September 2002

Dear Sir/Madam,

We would like to thank QUIPROCONE for the financial support that made possible the organization of the International School on Quantum Computation and Information that took place in Lisbon, Portugal, from 2 to 7 September 2002.

The school was attended by 85 participants (speakers included) from more than 30 different countries and we are extremely happy with the outcome of the event.

The objective of our school was to offer a pedagogic and fairly comprehensive introduction to Quantum Computation and Information, covering both the theoretical and experimental sides of the field, and we believe this was achieved, thanks to both the very good quality of the lectures and the high interest and motivation levels of the participants. Moreover, the various activities of the social program were important to bring the participants together and establish a friendly and more informal atmosphere within the community.

Finally, we intend to transform the school's web site into a learning resource for this field by making the lectures available online. The files of the presentations are already available and we intend to include the sound (and possibly some images) in the near future, thus allowing us to pursue the objectives of the school even after the event is finished.

Please find enclosed further information about the school program, the participants, the respective statistics and a financial report with all the relevant receipts included.

Yours sincerely,

Vlatko Vedral
On behalf of the Organizing Committee.

**International School on Quantum Computation and Information
2 - 7 September 2002, at Instituto Superior Técnico (IST), in Lisbon, Portugal**

Scientific Committee:

C. Bennett, IBM T.J. Watson Research Center;
I. Cirac, Max-Planck Institute for Quantum Optics, Garching;
D. DiVincenzo, IBM T.J. Watson Research Center;
S. Haroche, Ecole Normale Supérieure;
A. Zeilinger, University of Vienna.

Program:

- 1) Introduction to Quantum Computation and Information: A. Ekert;
- 2) Quantum Entanglement Theory - Measurements and Manipulation: I. Cirac;
- 3) Quantum Algorithms and Complexity: R. Cleve;
- 4) Quantum Cryptography: N. Gisin;
- 5) Quantum Non-locality: S. Popescu;
- 6) Quantum Error Correction and Decoherence: C. Macchiavello;
- 7) Quantum Information Processing using Ion Traps: A. Steane;
- 8) Quantum Information Processing using Quantum Optics: K. Banaszek;
- 9) Quantum Information Processing using Cavity QED: J.-M. Raimond;
- 10) Quantum Information Processing using Solid State devices: D. Loss.

Special research seminar: Entanglement as a Physical Resource, Dagmar Bruß.

Organizers:

Y. Omar & A. Ekert, University of Oxford
V. Vedral, Imperial College
J. Tito Mendonça & A. Martins, Instituto Superior Técnico
C. Russo, University of Innsbruck

Further information:

<http://www.qubit.org/school2002/>

<school2002@qubit.org>

**International School on Quantum Computation and Information
2 - 7 September 2002, at Instituto Superior Técnico (IST), in Lisbon, Portugal**

**FINANCIAL REPORT
(all values in EUR)**

We have received from QUIPROCONE the amount of EUR 14627.19. The money was used to pay for the speakers and organizers travel and accommodation (except for Prof. Richard Cleve, whose travel was funded by a different source), for the secretarial and video recording services, for printing the school's poster and other consumables, as well as a small part of the social program. This was the most important contribution for the school. Other contributions were used to offer financial assistance to most of the participants and for the remaining organizational expenses and social program.

Speakers travel and accommodation

- Hotel: 5441.65
- Travel: 4978.14
- Meals: 513.28

Secretarial and video recording service

- Ms. Anabela Goncalves: 1000.00
- Ms. Sandra Costa: 500.00
- Mr. Luis Raposo: 100.00 (Saturday only, as the weekdays were offered by IST)

Social Program

- Visit to Sintra, including bus service: 775.00

Other expenses

- Posters: 660.00
- Folders and paper for participants: 358.35
- Consumables and mail: 430.61

TOTAL: EUR 14757.03