



Quantum algorithms, communication, algorithms and cryptography, quantum control, quantum information and quantum networks, decoherence and quantum chaos, quantum information systems, quantum implementations of gates, quantum computation with cold atoms and ions, manipulation with Rydberg and cold atoms, quantum foundations.

Speakers for main courses :

B. Altshuler (Jerusalem), D. V. Averin (St. Petersburg), A. Blais (IBM NY), H. Burkhardt (ETH), N. Gisin (ETH), B. Cleve (Calgary), D. Deutsch (ETH NY), A. Ekert (Cambridge), B. Groisman (Perimeter Inst.), S. Harabe (ISIRI), M. Heule (NIST), J.-M. Raimond (ISIRI), I. Vedral (Berkeley), P. Zoller (Zurich).

Speakers for short courses :

G. Benoni (Paris), G. Bowen (Montreal), F. Chin (ETH Zurich), D. Doron (Saclay), N. Gisin (Geneva), B. Geoghegan (London), B. Lathiouni (Perimeter Inst.), H. Levine (Montreal), T. Prasad (Johannesburg).

Organizing Committee :

Ph. Grangier (CEHD Orsay), M. Santha (IIS Orsay), D.L. Shepelyansky (IHT Toulouse) with the support of the GPC (GPEC) 2005 Information et Communication Quantiques.

Quantum Information

"Quantum Information Processing"

9th International Workshop, January 10th - 20th, 2006

Organizers : U. Dor, J. Garate, S. Jafarizadeh, P. Mappert, M. Santha

"QIP06" Course Review and Conference 2006"

Final Review of QIP projects and discussions with a special session "Workshop for QIP in IHP"

February 13th - 19th, 2006

Organized by: Future and Emerging Technologies, DG INFRA3, European Commission.

Scientific officers : A. Ekert, B. Dor, G. Kofler

Information on QIP activities in IHP is available at the web site www.quantware.ups-tlse.fr/qip

"Quantum computation and coherence"

Workshop, March 12th - 24th, 2006.

Organizers : D. Doron, D.L. Shepelyansky, G. Wasth

TRIMESTER, PAST

T1-2006 Quantum Information, Computation and Complexity

Start date : 4 January 2006 - **End date :** 7 April 2006

Quantum Information, Computation and Complexity

January 4th - April 7th, 2006

Organizers :

Ph.Grangier, M.Santha, D.L.Shepelyansky

Scientific program : <https://www.quantware.ups-tlse.fr/IHP2006/>

More Information :

URL of the page: https://www.ihp.fr/en/news-research-activities/t1-2006-quantum-information-computation-and-complexity&is_pdf=true

Registration on :
Registration are closed

Financial support requests are now closed.

Workshops :

- From January 16th to 20th, 2006 : "Quantum Information Processing"
 - From February 13th to 16th, 2006 : "QIPC Cluster Review and Conference 2006"
 - From March 22th to 24th, 2006 : "Quantum computation and coherence"
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Through the CIMPA-CARMIN program the organizers wish to fund, with the support of the Labex CARMIN, the CIMPA and IHP, the participation of several young mathematicians from developing countries to the activities of the semester. Young scientists (master students soon looking for a PhD, PhD students, postdocs) meeting those criteria and interested in the topics are much encouraged to apply for a support to participate on [the CIMPA web page](#).



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TIMETABLE

Monday to Friday: 8:30 am to 6 pm
Closed on public holidays