



Quantum algorithms, communication, algorithms and cryptography, quantum code correction, quantum information with constraints, entanglement, decoherence and quantum chaos, quantum information processing, quantum state implementations, quantum computation with cold atoms and ions, entanglement with quantum and classical systems, quantum foundations.

Speakers for main courses :

B. Altshuler (Jerusalem), D. V. Averin (St. Petersburg), C. Bruneau (IHP), H. Buhrman (CPH), N. Cerf (ULB), B. Cleve (Calgary), D. Deutsch (Bristol), A. Ekert (Canberra), B. Goutman (Perimeter Inst.), S. Harshbarger (QIB), K. F. Fuchs (NIST), J.-M. Raimond (QIB), T. Torgler (Boulder), P. Zoller (Zurich).

Speakers for short courses :

G. Benenti (Pisa), G. Benenti (Montreal), F. Chin (IHP), G. Karlović (Paris), D. Loss (Zurich), N. Gisin (Geneva), B. Goutman (Perimeter Inst.), B. Lanyon (Perimeter Inst.), H. Lohmeyer (Boulder), T. Proulx (Lyon).

Organizing Committee :

Ph. Grangier (IHP), M. Santha (QIB), D. L. Shepelyansky (IHP), D. Loss (Zurich) with the support of the QIP 2006 (US) Information and Communication (Quantum).

Other Events :

"Quantum Information Processing"

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

Organizers : U. Dor, P. Krieger, S. Jafarizadeh, P. Maffei, M. Santha

"QIP: Career Review and Conference 2006"

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

February 13th - 18th, 2006

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

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

Information on QIP activities in IHP is available at : <http://www.quantware.ups-tlse.fr/qip/>

"Quantum computation and coherence"

Workshop, March 12th - 14th, 2006

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

PROGRAMME, 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](https://www.cimpa.org/).



INSTITUT HENRI POINCARÉ

Sorbonne Université / CNRS
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75231 Paris Cedex 05

TIMETABLE

The institute:

- Monday to Friday from 8:30am to 6pm,
- closed on public holidays.

The museum - Maison Poincaré :

- Monday, Tuesday, Thursday and Friday from 9:30am to 5:30pm,
- Saturday from 10am to 6pm,
- closed on Wednesday and Sunday.