

Second French-Chinese Workshop on « Quantum Information and Spintronics with Semiconductors »

第二届法中“半导体量子信息 和自旋电子学”学术交流

11-16 October 2009 Toulouse-Grenoble-Paris

Following the first meeting in Beijing in 2007, the 2009 China-France international workshop aims at promoting scientific exchanges in the areas of Spintronics & Quantum Information and their applications, including related materials, technical processing and device development. The workshop emphasizes novel work on quantum structures, and its device application; growth and characterizations of dilute magnetic and wide band-gap semiconductor materials, device fabrication and application, and their combinations. The invited talks will address areas of major interest highlighting comprehensive and favoured research areas for the scientists of the two countries. The workshop will provide a forum for discussion on recent progress and latest achievements, and promote an exchange of scientific information and a mutual collaboration.

The program consists of a 2-day meeting with more focused discussions from the experts of both countries, and 3 days of laboratory visits for the Chinese delegation in Toulouse, Grenoble and Paris.

The invited talks will cover mainly the following areas:

- Diluted magnetic semiconductors
- Single photon and Quantum Information devices
- Spin-coherence and detection of single spin level
- Hybrid semiconductor/magnetic structures
- Spin-dynamics
- Spin devices and spin torque effect

Invited Chinese Speakers :

Qikun XUE(薛其坤), Tsinghua University, Beijing
Dongmin CHEN(陈东敏), Institute of Physics, CAS, Beijing
Zhanghai CHEN(陈张海), Fudan University, Shanghai
Xiufeng HAN(韩秀峰), Institute of Physics, CAS, Beijing
Ququan WANG(王取泉), Wuhan University, Wuhan
Shishen YAN(颜世申), Shandong University, Jinan
Bo SHEN(沈波), Peking University, Beijing
Mingwei WU(吴明卫), USTC, Hefei
Bangfen ZHU(朱邦芬), Tsinghua University, Beijing
Yang Ji (姬扬), Institute of Semiconductors, CAS, Beijing
Baoquan SUN (孙宝权), Institute of Semiconductors, CAS, Beijing
Xinyu PAN (潘新宇), Institute of Physics, CAS, Beijing
Baoli LIU (刘宝利), Institute of Physics, CAS, Beijing

Program Committee :

Xavier MARIE, LPCNO Toulouse
Joël CIBERT, Institut Néel, Grenoble
Paul VOISIN, LPN, Marcoussis
DongMin CHEN, IOP, Beijing
Qikun XUE, Tsinghua University, Beijing
Baoli LIU, IOP, Beijing

Invited French Speakers :

J.C. Girard, LPN, Marcoussis
Le Si Dang, Institut Néel, Grenoble
A. Schuhl, Spintec, Grenoble
E. Snoeck, CEMES, Toulouse
C. Testelin, INSP, Paris
K. Kheng, INAC, Grenoble
J.F. Roch, ENS, Cachan
B. Urbaszek, LPCNO, Toulouse
J.M. Georges, UMR CNRS-Thales, Palaiseau
A. Beveratos, LPN, Marcoussis
J. Bleuse, INAC, Grenoble
T. Amand, LPCNO, Toulouse
F. Julien, IEF, Orsay
P. Voisin, LPN, Marcoussis
J. Cibert, Institut Néel, Grenoble
P. Senellart, LPN, Marcoussis
A. Balocchi, LPCNO, Toulouse

