

# 2008 International Symposium on Physics of Quantum Technology

## NARA, JAPAN

November 25-28, 2008  
Nara Prefectural New Public Hall

No  
Registration  
Fee

11/25 ● Tue 9:30 ▶

- |  |  |
|--|--|
| <b>Semiconductor cavity QED</b> .....                    | <b>David Awschalom</b> (UC Santa Barbara)<br><b>Yoshihisa Yamamoto</b> (Stanford Univ./NII)                    |
| <b>Semiconductor quantum dots</b> .....                  | <b>Charles Marcus</b> (Harvard Univ.)<br><b>Seigo Tarucha</b> (The Univ. of Tokyo)                             |
| <b>Linear optics quantum information processing</b> .... | <b>Anton Zeilinger</b> (Univ. of Wien)<br><b>Nobuyuki Imoto</b> (Osaka Univ.)<br><b>Satoshi Ishizaka</b> (NEC) |
| 18:00 ▶ <b>Poster Session</b>                            |  |

11/26 ● Wed 9:30 ▶

- |                               |  |
|-------------------------------|--|
| <b>Optical lattice</b> .....  | <b>Immanuel Bloch</b> (Univ. of Mainz)<br><b>Yoshiro Takahashi</b> (Kyoto Univ.) |
| 14:00 ▶ <b>Poster Session</b> |  |

11/27 ● Thu 9:30 ▶

- |   |  |
|---|--|
| <b>Atom cavity QED</b> .....                    | <b>H. Jeff Kimble</b> (California Institute of Technology)<br><b>Serge Haroche</b> (ENS)             |
| <b>Atom chip &amp; Semiconductor chip</b> ..... | <b>Fujio Shimizu</b> (NTT/Univ. of Electro-Communications)<br><b>Yoshiro Hirayama</b> (Tohoku Univ.) |
| <b>Physics of BEC</b> .....                     | <b>Jean Dalibard</b> (ENS)<br><b>Masahito Ueda</b> (The Univ. of Tokyo)                              |
| 18:00 ▶ <b>Poster Session</b>                   |  |

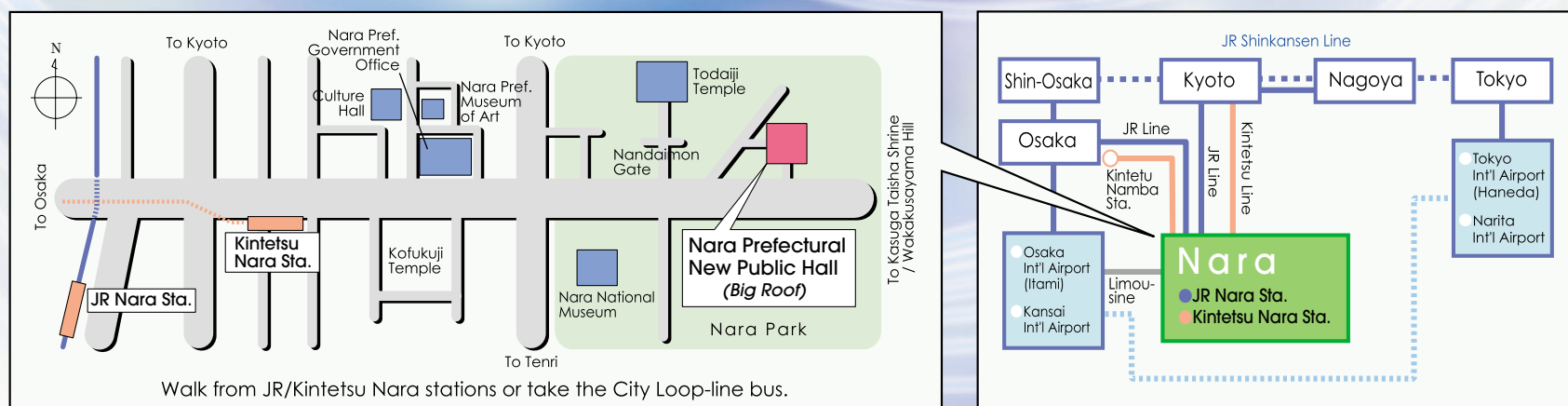
11/28 ● Fri 9:30 ▶

- |   |   |
|---|---|
| <b>Josephson junction qubits</b> .....                          | <b>Hans Mooij</b> (Delft Univ. of Technology)<br><b>Jaw-Shen Tsai</b> (NEC/RIKEN)   |
| <b>Quantum key distribution</b> .....                           | <b>Nicolas Gisin</b> (Univ. of Geneva)<br><b>Hiroshi Imai</b> (The Univ. of Tokyo)  |
| <b>Continuous variable quantum information processing</b> ..... | <b>Philippe Grangier</b> (Institute of Optics)<br><b>Akira Furusawa</b> (The Univ. of Tokyo)<br><b>Mio Murao</b> (The Univ. of Tokyo) |

*This symposium is open for all interested public with no registration fee.  
Poster presentation on all related topics "Quantum technology" is encouraged.*

**Submission deadline: September 11th, 2008**

Please submit/register on-line via <http://www.qis.crest.jst.go.jp>



Contact: Symposium Secretariat, Tel: 03-3512-3542 ("Creation of New Technology aiming for the Realization of Quantum Information Processing Systems" Research Office)

Sponsored by Japan Science and Technology Agency (JST) / Co-sponsored by National Institute of Informatics (NII)  
In cooperation with Ministry of Education, Culture, Sports, Science and Technology Japan (MEXT) /  
the Institute of Electronics, Information and Communication Engineers (IEICE) / the Physical Society of Japan (JPS)