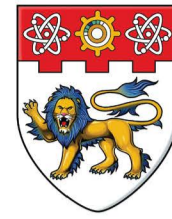
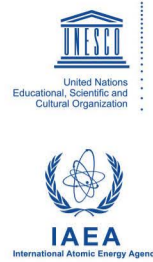




The Abdus Salam  
**International Centre  
for Theoretical Physics**  
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**NANYANG  
TECHNOLOGICAL  
UNIVERSITY**

Institute of Advanced Studies

## Joint IAS-ICTP School on Quantum Information Processing

18 - 29 January 2016

Nanyang Executive Center  
Nanyang Technological University, Singapore



The Institute of Advanced Studies (IAS) of Nanyang Technological University and the Abdus Salam International Centre for Theoretical Physics (ICTP) are jointly organizing a School on Quantum Information Processing, which provides broad, solid foundations in modern topics of quantum information science. Subjects covered during the two weeks of the School include

- Entanglement, tensor networks, matrix product states
- Topological quantum computation
- Coding and error correction
- Quantum algorithms
- Physical implementations of quantum computation and information processing
- Majorana physics

The school is intended predominantly for young scientists (students and researchers). Limited funds are available to support participants from Asia.

### Participation

Scientists and students from all countries which are members of the United Nations, UNESCO or IAEA may attend the School. Priority will be given to graduate students, post-doctoral researchers, faculty and research scientists from developing countries in Asia.

As it will be conducted in English, participants should have an adequate working knowledge of that language. Although the main purpose of ICTP is to help researchers from developing countries, through a programme of training activities within a framework of international cooperation, students and post-doctoral scientists from developed countries are also welcome to attend.

As a rule, travel and subsistence expenses of the participants should be borne by the home institution. Every effort should be made by candidates to secure support for their fare (or at least half-fare). However, limited funds are available for some participants who are nationals of, and working in, a developing country, and who are not more than 45 years old. Such support is available only for those who attend the entire activity. There is no registration fee.

### HOW TO APPLY FOR PARTICIPATION

The application form can be accessed at the activity website

<http://indico.ictp.it/event/7574/>

Once in the website, comprehensive instructions will guide you step-by-step, on how to fill out and submit the application form. You may address general requests for information to:

Ms. M. Poropat (smr. 2702)  
the Abdus Salam International Centre for Theoretical Physics  
Strada Costiera 11 - 34151 Trieste, Italy  
Telephone: +39-040-2240540 - Telefax: +39-040-22407540  
E-mail: [smr2702@ictp.it](mailto:smr2702@ictp.it)  
ICTP Home Page: <http://www.ictp.it>

Co-sponsored by



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### DEADLINE

for requesting participation: 10th October 2015

