

5th Winter School on Quantum Information Science

January 15 ~ 18, 2011

Banquet Hall, 3F, Fullon Resort Kending, PingTung, Taiwan

Information

Website

<http://www.ncts.ncku.edu.tw/phys/qis/110115/index.php>

Conference Site

The Banquet Hall is on the 3F of Fullon Resort Kending.

Transportation Information

Car 1: NTU(06:30am)—NTHU(07:50am)—NCKU(11:20am)—a brief stop at Kuan-Miao (關廟休息站) (lunch time)—Fullon Resort Kending

Site: NTU-Near The University Promenade (台灣大學正門口)

Contact: Mr. Shang-Yu Huang (黃上瑜) Mobile: 0937-498838

NTHU- The rotary, in front of the Chemistry Building (化學館前的圓環)

Contact: Mr. Yi-Hao Jhu (朱奕豪) Mobile: 0921-147730

NCKU- Near Department of Life Sciences, Cheng-Kung Campus (成功校區, 由小東路門口進入, 於生命科學館旁)

Contact: Ms. Fu (傅小姐) Mobile: 0911-332957

Car 2: NCKU(09:50am)—THSR Tainan station (10:20am)—Fullon Resort Kending

Site: NCKU- Near Department of Life Sciences, Cheng-Kung Campus (成功校區, 由小東路門口進入, 於生命科學館旁)

Contact: Ms. Amy Jhuang (莊淑雯) Mobile: 0933-340537

THSR- At the Exit 2, Bus terminal (於 2 號出口的接駁公車處)

Contact: Ms. Amy Jhuang (莊淑雯) Mobile: 0933-340537

© Note: Please prepare the lunch by yourself.

Restaurant Hours

Breakfast: 07:30 ~ 09:30 (Jan. 16 ~ Jan. 18)

Lunch: 11:50 ~ 13:30 (Jan. 16 ~ Jan. 18)

Dinner: 18:00 ~ 21:00 (Jan. 16)

Accommodation

Check in: after 15:00 (Jan. 15)

Check out: before 12:00 (Jan. 18)

Speaker & Title

Prof. A. N. Korotkov (University of California, Riverside, USA)

Title: (I) Non-projective Quantum Measurement of Solid-state Qubits: Bayesian Formalism

(II) Persistent Rabi Oscillations and Quantum Feedback in Solid State

(III) Wavefunction Uncollapsing and Related Topics

Prof. T. Brandes (TU Berlin, Germany)*Title:(I) Introduction to Single Charge Transport**(II) Introduction to Full Counting Statistics**(III) Introduction to Feedback Control of Quantum Transport***Prof. M. P. Blencowe (Dartmouth College, USA)***Title:(I) Introduction to Circuit Quantum Electrodynamics (cQED) for Quantum Information Processing.**(II) Circuit QED and the Quantum-Classical Correspondence.**(III) Circuit QED and Analogue Gravity***Prof. R. B. Liu (The Chinese University of Hong Kong, Hong Kong)***Title:(I) Quantum Many-body Theory for Qubit Decoherence in a Finite Spin Bath**(II) Control of Decoherence by Dynamical Operations**(III) Applications of Quantum Decoherence Theory: Examples and Experiments***Program**

Time	Jan. 15 (Sat.)	Jan. 16 (Sun.)	Jan. 17 (Mon.)	Jan. 18 (Tues.)
09:30-10:30		A. N. Korotkov (I) Chairman: Wei-Min Zhang	M. Blencowe (III) Chairman: Shih-Chuan Gou	T. Brandes (III) Chairman: Shih-Yuin Lin
10:30-10:50		Break	Break	Break
10:50-11:50		R. B. Liu (II) Chairman: Wei-Min Zhang	A. N. Korotkov (II) Chairman: Alec Maassen van den Brink	A. N. Korotkov (III) Chairman: Chung-Hsien Chou
11:50-13:30		Group Photo	Lunch	Lunch
		Lunch		
13:30-14:30		M. Blencowe (II) Chairman: Zheng-Yao Su	Discussion Free Time	
14:30-14:50	Registration	T. Brandes (II) Chairman: Zheng-Yao Su		
14:30-14:50	Opening: Bei-Lok Hu			
15:00-15:30	M. Blencowe (I) Chairman: Hsi-Sheng Goan	Break		
15:30-15:50				
15:50-16:00	T. Brandes (I) Chairman: Hsi-Sheng Goan	R. B. Liu (III) Chairman: Yueh-Nan Chen		
16:00-16:40				
16:40-17:00	Break			
17:00-17:50	R. B. Liu (I) Chairman: Pochung Chen			
18:00-		Banquet		

Shuttle Bus to Kenting Road

Get on: the Lobby of Fullon Resort Kenting

Get off: Kenting Road

Time: 18:00~22:30 (The shuttle bus departs every 30 minutes.)

Photo Session

Let us take a group picture just before going to lunch on Jan. 16 (Sunday).

Guarantee Fee for Student

We will return the guarantee fee if you are not absent during the winter school.

Sponsors:

National Center for Theoretical Sciences, Taiwan

莊淑雯 (Amy Jhuang)

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