

The 5th KAKENHI Quantum cybernetics General Meeting

Date: 29th – 30th June, 2011
 Place: Hyatt Regency KYOTO (Kyoto, Japan)
 Participants: 48p.

Program:

1st day: 29th June, 2011 (Wed)

time	contents	speaker
09:00 – 09:15	Opening speech	Jaw-Shen Tsai
09:15 – 10:15	①Study of superconducting quantum cybernetics	Jaw-Shen Tsai
10:15 – 10:30	Break	
10:30 – 11:30	②Study of the control, measurement, and transfer of quantum information using a semiconductor nanoassembly	Yasuhiro Tokura
11:30 – 12:30	③Quantum information processing using an ion trap system	Shinji Urabe
12:30 – 13:30	Luncheon meeting	
13:30 – 14:30	④Realization of quantum cybernetics using photonic quantum circuits	Shigeki Takeuchi
14:30 – 15:30	⑤Light-based multi-qubit quantum control	Masato Koashi
15:30 – 15:45	Break	
15:45 – 17:15	⑥Quantum control using cold atoms	Ryotaro Inoue Tetsuya Mukai
17:15 – 18:30	Discussion	
18:30 – 19:30	Lamp Session	
19:30 – 21:30	Poster Session	

2ne day: 30th June, 2011 (Thu)

time	contents	speaker
09:00 – 10:00	⑦Molecular spin quantum control	Masahiro Kitagawa
10:00 – 10:15	Break	
10:15 – 11:15	⑧New development of quantum estimation theory in quantum cybernetics	Akio Fujiwara
11:15 – 12:15	⑨Theory on quantum coherence in hybrid quantum system of superconductor and quantum dot	Michiyasu Mori
12:15 – 13:15	Luncheon meeting	
13:15 – 14:15	⑩Study of single NV center in diamond toward scalable multi-qubit system	Norikazu Mizuochi
14:15 – 15:15	⑪Manipulation of electron spin and nuclear spins in hetero-g-factor double quantum	Keiji Ono
15:15 – 15:30	Break	
15:30 – 17:00	Discussion	
17:00 – 17:15	Closing speech	Jaw-Shen Tsai

Participants List:

	name	affiliation		name	affiliation
1	Y. Tokura	NTT Basic Research Laboratory	25	S. Takeuchi	Hokkaido University
2	S. Tarucha	The University of Tokyo	26	R. Okamoto	Hokkaido University
3	M. Yamamoto	The University of Tokyo	27	M. Fujiwara	Hokkaido University
4	T. Kubo	NTT Basic Research Laboratory	28	H. Zhao	Hokkaido University
5	M. Kitagawa	Osaka University	29	M. Iefuji	Osaka University
6	Y. Morita	Osaka University	30	T. Ono	Hokkaido University
7	A. Kagawa	Osaka University	31	M. Tanida	Osaka University
8	M. Negoro	Osaka University	32	T. Yokoi	Osaka University
9	Y. Tabuchi	Osaka University	33	M. Koashi	The University of Tokyo
10	T. Takui	Osaka City University	34	T. Yamamoto	Osaka University
11	S. Nakazawa	Osaka City University	35	R. Ikuta	Osaka University
12	K. Maruyama	Osaka City University	36	K. Azuma	NTT Basic Research Laboratory
13	K. Sugisaki	Osaka City University	37	A. Fujiwara	Osaka University
14	S. Hayashi	Osaka City University	38	Y. Takahashi	Osaka University
15	T. Yoshino	Osaka City University	39	M. Mori	Japan Atomic Energy Agency
16	R. Inoue	Kyoto University	40	N. Mizuochi	Osaka University
17	Y. Yoshikawa	Kyoto University	41	K. Takenaka	Nagoya University
18	R. Yamazaki	Kyoto University	42	K. Satoh	Osaka City University
19	H. Hara	Kyoto University	43	K. Ono	RIKEN
20	R. Yamamoto	Kyoto University	44	J.S. Tsai	RIKEN / NEC Green Innovation Laboratory
21	T. Mukai	NTT Basic Research Laboratory	45	O. Astafiev	RIKEN
22	S. Urabe	Osaka University	46	F. Yoshihara	RIKEN
23	U. Tanaka	Osaka University	47	T. Miyazaki	RIKEN
24	K. Toyoda	Osaka University	48	Y. Pashkin	RIKEN