

## The 1st KAKENHI Quantum cybernetics General Meeting

Date: 21st – 22nd October, 2009  
 Place: Hotel Micras (Atami, Shizuoka, Japan)  
 Participants: 18 p.

Program:  
 21st October, 2009

time	content	speaker
13:00	Opening remarks	J.S. Tsai
13:15 – 17:15	Principal Investigators presentations – about current research and research plan (60min each)	
	① Study of superconducting quantum cybernetics	J.S. Tsai
	② Study of the control, measurement, and transfer of quantum information using a semiconductor nanoassembly	Y. Tokura
	③ Molecular spin quantum control	M. Kitagawa
	④ Quantum control using cold atoms	Y. Takahashi
18:00 – 20:00	Discussion	All

22nd October, 2009

time	content	speaker
9:00 – 12:00	Principal Investigators presentation – about current research and research plan (60min each)	
	① Quantum information processing using an ion trap system	S. Urabe
	② Realization of quantum cybernetics using photonic quantum circuits	S. Takeuchi
	③ Light-based multi-qubit quantum control	M. Koashi
12:00 – 13:00	Break	
13:00 – 14:00	Collaborators presentations – about current research and research plan (25min each)	
	① Study of superconducting quantum cybernetics	K. Semba
	② Study of the control, measurement, and transfer of quantum information using a semiconductor nanoassembly	T. Ohta
	③ Molecular spin quantum control	T. Takui
	④ Quantum control using cold atoms	T. Mukai
14:40 – 17:00	Soukatsuhan Meeting, Research planning meeting	All
17:00	Closing remarks	J.S. Tsai

Participants List:

	name	affiliation	position
1	Jaw-Shen Tsai	RIKEN / NEC Green Innovation Laboratory	Team Leader / Senior Researcher
2	Yasuhiro Tokura	NTT Basic Research Laboratories	Executive Manager
3	Masahiro Kitagawa	Osaka University	Professor
4	Yoshiro Takahashi	Kyoto University	Professor
5	Shinji Urabe	Osaka University	Professor
6	Shigeki Takeuchi	Hokkaido University	Professor
7	Masato Koashi	Osaka University	Associate Professor
8	Takeji Takui	Osaka City University	Professor
9	Oleg Astafiev	RIKEN	Researcher
10	Fumiki Yoshihara	RIKEN	Researcher
11	Farrukh Abdumalikov	RIKEN	Researcher
12	Kohichi Semba	NTT Basic Research Laboratories	Group Leader
13	Takuya Hirano	Gakushuin University	Professor
14	Tetsuya Mukai	NTT Basic Research Laboratories	Researcher
15	Takeshi Ohta	NTT Basic Research Laboratories	Researcher
16	Takashi Yamamoto	Osaka University	Associate Professor
17	Nobuyuki Imoto	Osaka University	Professor
18	Koshi Takenaka (Advisor)	Nagoya University	Associate Professor