Program

December 17, 2	2014 (Wed	dnesday)
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December 17, 2014 (Wednesday) 09:30~10:00 Opening			
09:30		Welcome	Y. Maeno (10min)
09:40	17AM-0	Achievements of the TQP project	Y. Maeno (20min)
10:00	~10:40	Topology in Physics	Chair: J. Berlinsky
10:00	17AM-1	Topology in Physics	G. Volovik (40min)
		10:40~11:10 Refreshment Brea	nk
11:10 ⁻	~12:30	Chiral Superconductors and Superconductors	
44.40	474140		Chair: S. Kashiwaya
11:10	17AM-2	Evidence for Time Reversal Symmetry Bre in UPt ₃	E. Schemm (30min)
11:40	17AM-3	Direct Detection of Chirality in Superfluid ³	,
		,	H. Ikegami (20min)
12:00	17AM-4	Topological superfluid ³ He under engineer	ed nanoscale
	confinement: new phases and the search for Majoranas		for Majoranas
			J. Saunders (30min)
12:30~13:40 Lunch Break			
13:30	~16:00	Poster Session A	Chair: T. Nojima
13:30 ~		Poster Session A Poster Preview A (1min for each poster, 50	-
	14:30		-
13:30~ 14:30~	14:30	Poster Preview A (1min for each poster, 50 Poster Session A (90min)	-
13:30~ 14:30~	14:30 16:00	Poster Preview A (1min for each poster, 50 Poster Session A (90min)	Omin) Chair: H. Fukuyama
13:30~ 14:30~ 16:00	14:30 16:00 ~17:10	Poster Preview A (1min for each poster, 50 Poster Session A (90min) Topological Edge State	Omin) Chair: H. Fukuyama
13:30~ 14:30~ 16:00	14:30 16:00 ~17:10	Poster Preview A (1min for each poster, 50 Poster Session A (90min) Topological Edge State Edge States, Edge Currents in Chiral Super	Chair: H. Fukuyama erfluids with Strong J. Sauls (40min)
13:30~ 14:30~ 16:00 16:00	14:30 16:00 ~ 17:10 17PM-1	Poster Preview A (1min for each poster, 50 Poster Session A (90min) Topological Edge State Edge States, Edge Currents in Chiral Super Anisotropy and Confinement	Chair: H. Fukuyama erfluids with Strong J. Sauls (40min)
13:30~ 14:30~ 16:00 16:00	14:30 16:00 ~ 17:10 17PM-1	Poster Preview A (1min for each poster, 50 Poster Session A (90min) Topological Edge State Edge States, Edge Currents in Chiral Super Anisotropy and Confinement Spin-triplet superconductors: interface to fee	Chair: H. Fukuyama erfluids with Strong J. Sauls (40min) erromagnets and M. Cuoco (30min)
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13:30~ 14:30~ 16:00 16:40 17:40	14:30 16:00 ~17:10 17PM-1 17PM-2	Poster Preview A (1min for each poster, 50 Poster Session A (90min) Topological Edge State Edge States, Edge Currents in Chiral Super Anisotropy and Confinement Spin-triplet superconductors: interface to formagnetic edge states 17:10~17:40 Refreshment Bread Odd-Frequency Pairing	Chair: H. Fukuyama erfluids with Strong J. Sauls (40min) erromagnets and M. Cuoco (30min) ok Chair: Y. Tanaka
13:30~ 14:30~ 16:00 16:40 17:40	14:30 16:00 ~17:10 17PM-1 17PM-2	Poster Preview A (1min for each poster, 50 Poster Session A (90min) Topological Edge State Edge States, Edge Currents in Chiral Super Anisotropy and Confinement Spin-triplet superconductors: interface to formagnetic edge states 17:10~17:40 Refreshment Bread Odd-Frequency Pairing In search of odd-frequency spin-triplet proving	Chair: H. Fukuyama erfluids with Strong J. Sauls (40min) erromagnets and M. Cuoco (30min) ok Chair: Y. Tanaka eximity effect in M. S. Anwar (20min)
13:30~ 14:30~ 16:00 16:40 17:40 17:40	14:30 16:00 ~17:10 17PM-1 17PM-2 ~18:50 17PM-3	Poster Preview A (1min for each poster, 50 Poster Session A (90min) Topological Edge State Edge States, Edge Currents in Chiral Super Anisotropy and Confinement Spin-triplet superconductors: interface to formagnetic edge states 17:10~17:40 Refreshment Bread Odd-Frequency Pairing In search of odd-frequency spin-triplet processors.	Chair: H. Fukuyama erfluids with Strong J. Sauls (40min) erromagnets and M. Cuoco (30min) ok Chair: Y. Tanaka eximity effect in M. S. Anwar (20min)
13:30~ 14:30~ 16:00 16:40 17:40 17:40	14:30 16:00 ~17:10 17PM-1 17PM-2 ~18:50 17PM-3	Poster Preview A (1min for each poster, 50 Poster Session A (90min) Topological Edge State Edge States, Edge Currents in Chiral Super Anisotropy and Confinement Spin-triplet superconductors: interface to formagnetic edge states 17:10~17:40 Refreshment Bread Odd-Frequency Pairing In search of odd-frequency spin-triplet processors.	Chair: H. Fukuyama erfluids with Strong J. Sauls (40min) erromagnets and M. Cuoco (30min)

December 18, 2014 (Thursday)

09:20	~10:40	Triplet Superconductivity I C	hair: K. Miyake
09:20 18AM-1		Topological superconductivity based on topolog	cal insulators
			Y. Ando (30min)
09:50	18AM-2	NMR study of topological superconductors	G. Zheng (30min)
10:20	18AM-3	Extra Magnetization in the Superconducting State of Sr ₂ RuO ₄	
		Probed with 87Sr and 99Ru-NMR Measurements	K. Ishida (20min)

10:40~11:10 Refreshment Break

11:10	~12:20	Triplet Superconductivity II	Chair: Y. Yanase
11:10	18AM-4	Order parameter nodal structure and symmetry in UPt ₃	
			B. Halperin (30min)
11:40	18AM-5	Nodal structure and pairing symmetry of UPta	K. Izawa (20min)
12:00	18AM-6	Anomalous superconducting phase diagram	of the chiral- <i>p</i> -wave
		superconductor Sr ₂ RuO ₄	S. Yonezawa (20min)

12:20~13:40 Lunch Break

13:40 ~	14:30	Poster Session B Poster Preview B (1min for each poster, 50min)	Chair: H. Irie
14:30~	16:00	Poster Session B (90min)	
16:00-	-17:10	Dirac and Majorana Fermions	Chair: T. Ando
16:00	18PM-1	Topological Transport in Graphene	Y. Zhang (40min)
16:40	18PM-2	The wires' approach to topological insulators	Y. Oreg (30miin)
17:10-	-17:50	Topological Phase Transition Chai	r: A. Yamakage
17:10	18PM-3	Topological phase transitions in superfluids and	superconductors
		Т. І	Mizushima (20min)
17:30	18PM-4	Magnetic Field Effects on the Surface Majorana	Bound States of
		Superfluid ³ He B-phase	R. Nomura (20min)

December 19, 2014 (Friday)

09:20	~10:30	Topological Devices	Chair: Y. Asano
09:20	19AM-1	Quantized anomalous Hall effect in Cr-doped (BiSb) ₂ Te ₃	
		topological insulator	Q. Xue (40min)
10:00	19AM-2	Magneto-optical Kerr rotation from GeTe/Sb ₂	Te₃ topological
		superlattice	J. Tominaga (30min)

10:30~11:00 Refreshment Break

11:00~	12:00	New Development in Sr ₂ RuO ₄	Chair: J. Aarts
11:00	19AM-3	Search for half-flux-quantum Little-Parks oscillations in Sr ₂ RuO ₄	
			Y. Liu (30min)
11:30	19AM-4	A novel method for using strain to tune correlate	ed electron
		materials	C. Hicks(30min)
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12:30~17:40 Excursion
Kyoto City Bus Tour

18:00~20:00 Banquet

Kyoto Univ. Clock Tower

December 20, 2014 (Saturday)

09:20	~10:30	Novel Quantum Matter	Chair: N. Kawakami
09:20	20AM-1	Controlled topological quantum physics using ultracold atoms	
			Y. Takahashi (40min)
10:00	20AM-2	Anomalous surface states in p-wave sup	erconductors
			A. Golubov (30min)

10:30~11:00 Refreshment Break

11:00	~11:50	Chiral Superfluids	Chair: M. Cuoco
11:00	20AM-3	Edge currents in Sr ₂ RuO ₄	C. Kallin (30min)
11:30	20AM-4	Intrinsic Angular Momentum of Topolog	gical Superfluid ³ He-A
			O. Ishikawa (20min)

11:50~13:40 Lunch Break

13:40	~15:10	Topological Insulators	Chair: Y. Maeno
13:40	20PM-1	Quantum Hall effects and more in topological insulators	
			Y. Tokura (40min)
14:20	20PM-2	New Physics in Topological Crystalline Insulator	r L. Fu (30min)
14:50	20PM-3	Experimental Research on Topological Insulato	rs
			K. Segawa (20min)

15:10~15:40 Refreshment Break

15:40	~17:10	Majorana Fermions	Chair: M. Ueda
15:40	20PM-4	Symmetry in Topological Insulators and S	Superconductors
			M. Sato (30min)
16:10	20PM-5	Topological phases with parity symmetry	and orientifolds
			S. Ryu (30min)
16:40	20PM-6	Weyl and Dirac fermions in solids	N. Nagaosa (30min)
17:10	~17:20	Closing	