1st Asia Pacific Workshop on Quantum Magnetism

APWQM

ASIA PACIFIC WORKSHOP
FOR QUANTUM MAGNETISM

August 28 - 30, 2017

Seoul National University, KOREA

APCTP Asia Pacific Center for Theoretical Physics

ibs CCES Center for Correlated Electron Systems

NCTS National Center for Theoretical Sciences

1st Asia Pacific Workshop on Quantum Magnetism

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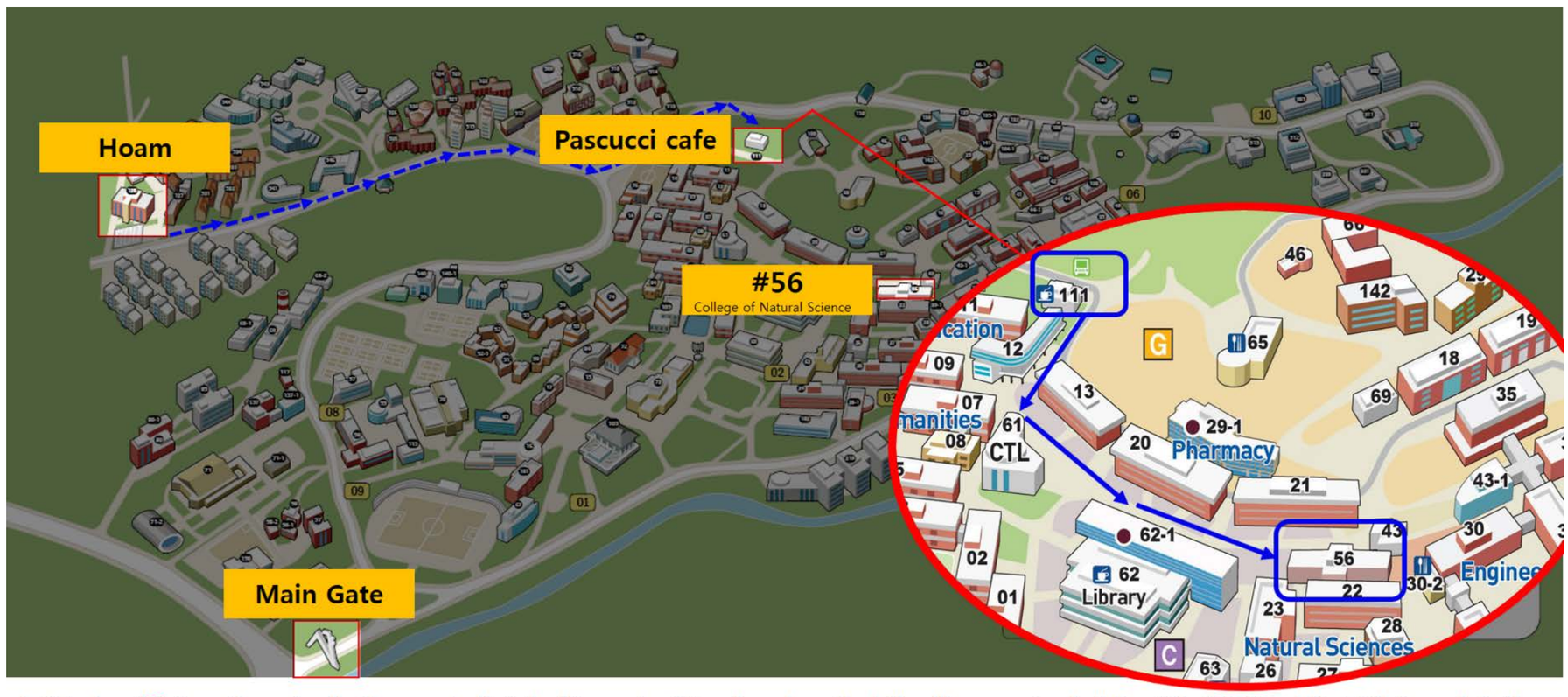
	Mon 28		Tue 29		Wed 30	
08:50-09:00	Opening Address		Registration		Registration	
Session Chair	Je-Geun Park		Ying-Jer Kao		Nic Shannon	
09:00-09:25	#1	Zenji Hiroi (ISSP, University of Tokyo) **Surprises in the kagome cuprates**	#13	Yong-Baek Kim (University of Toronto) **Quantum Spin Liquid in Kitaev Materials**	#26	Takahiro Tomita (Institute for Solid State Physics, University of Tokyo) **Large anomalous Hall and Nernst effects at room temperature in a magnetic topological metal**
09:25-09:50	#2	Shunsuke Furukawa (University of Tokyo) **Magnetic properties of volborthite determined by a coupled-trimer model**	#14	Yukitoshi Motome (University of Tokyo) **Majorana fermions in Kitaev spin liquids**	#27	Pochung Chen (National Tsing Hua University) **Quantum Impurity in a Luttinger Liquid**
09:50-10:15	#3	Hiroyuki Yoshida (Hokkaido University) **Unusual magnetic state in S = 1/2 J1-J2-Jd Kagome Lattice Antiferromagnet CaCu3(OH)6Cl2•0.6H2O**	#15	Sungdae Ji (Max Planck POSTECH/Hsinchu Center) **Majorana Fermions in the Kitaev Quantum Spin System alpha-RuCl3**	#28	Ben James Powell (University of Queensland) **Dynamical reduction of the dimensionality of exchange interactions and the "spin-liquid" phase of κ-(BEDT-TTF)2X**
10:15-10:40	#4	Tao Xiang (IOP, CAS) **Gapless Spin-Liquid Ground State in the S=1/2 Kagome Antiferromagnet**	#16	Kwang Yong Choi (Chung-An University) **Persisting magnetic Majorana fermions in the diluted α-Ru1-xIrxCl3**	#29	Yu-Cheng Lin (National Chengchi University) **Griffiths Singularities in Quantum Magnets**
10:40-11:10	*Break time*		*Break time*		*Break time*	
11:00-11:35	#5	Kentaro Kitagawa (University of Tokyo) **New Jeff=1/2 Quantum Liquid on Honeycomb Lattice**	#17	Yogesh Singh (Indian Institute of Science Education and Research Mohali) **Experimental Realization of a new Quantumn Spin Liquid based on a novel frustration mechanism**	#30	Gang Chen (Fudan University) **What does inelastic neutron scattering measure in quantum spin ices?**
11:35-12:00	#6	Taka-hisa Arima (University of Tokyo / RIKEN) **Electromagnetic Responses of Honeycomb Magnets**	#18	Nic Shannon (OIST) **How many spin liquids are there in Ca10Cr7O28?**	#31	Jun Zhao (Fudan University) **Spin Excitations in a Triangular Lattice Quantum Spin Liquid Candidate**
12:00-12:25	#7	Masahiro Sato (Ibaraki University) **Thermal and spin currents driven by spinons, Majorana fermions and multiple-magnon molecules**	#19	Chris D Ling (The University of Sydney) **Striped Magnetic Ground State of the Ideal Kagomé Lattice Compound Fe4Si2Sn7O16**	*Closing*	
12:25-14:00	*Lunch*		*Lunch*			
Session Chair	Gang Chen		SungBin Lee			
14:00-14:25	#8	Kittiwit Matan (Mahidol University) **Nonreciprocal magnons in a noncentrosymmetric antiferromagnet**	#20	Hiroaki Ishizuka (University of Tokyo) **Magnetic anisotropy due to pseudo-dipolar interactions in iridates and other heavy transition metal**		
14:25-14:50	#9	Marie Kratochvilova (IBS, Seoul National University) **Search for the low-temperature highly correlated phase in the charge-density-wave 1T-TaS2 compound**	#21	Yu-Miin Sheu (National Chiao-Tung Univeristy) **Photo-creating supercooled spiral-spin states in a multiferroic manganite**		
14:50-15:15	#10	Masafumi Udagawa (Gakushuin University) **Recombination of fractional excitations in frustrated magnets**	#22	Ming-Wen Chu (National Taiwan University) **Emergent Charge Condensations at Two-Dimensional Oxide Interfaces and Néel-Type Ferroelectric Domain Walls**		
15:15-15:45	*Break time*		*Break time*			
15:45-16:10	#11	SungBin Lee (KAIST) **Generic Spin Model of Pyrochlore Spinels**	#23	Ki-Seok Kim (POSTECH) **Spin-liquid Mott quantum criticality in two dimensions: "Destabilization" of a spinon Fermi surface and emergence of one-dimensional spin dynamics**		
16:10-16:35	#12	Soonchil Lee (KAIST) **Reorientation of orbital order in MnV2O4**	#24	Fa Wang (Peking University) **Unconventional Surface Criticality Induced by Quantum Phase Transitions from 2D AKLT Phase to Neel Order**		
16:35-17:00	**Poster Session**		#25	Eungook Moon (KAIST) **Thermal conductivity in U(1) quantum spin liquids**		
17:00-18:30			*Banquet*			
18:30~	*Dinner*					

Poster Session

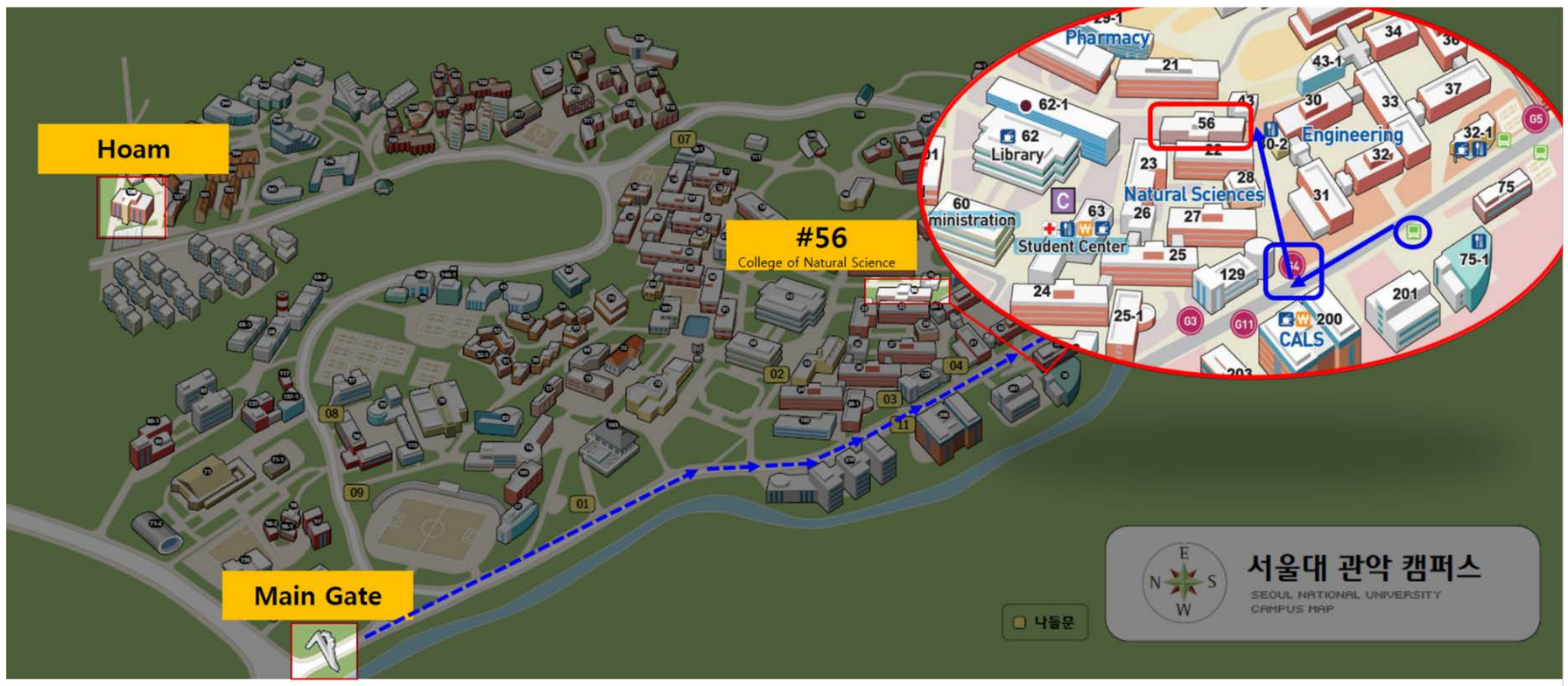
1	**Hwanbeom Cho (Seoul National University)**
	Frustration in antiferromagnetic honeycomb-tunnel-like lattice CuRE2Ge2O8 (RE=Pr, Nd, Sm, and Eu)
2	**GiBaik Sim (KAIST)**
	Generic spin model on a pyrochlore lattice
3	**Hoshin Gong (POSTECH)**
	Magnetic exchange interactions in alpha-RuCl3: ab initio study.
4	**Jonathan Carl Leiner (Seoul National University)**
	Magnetic Excitations of the Cu2+ Quantum Spin Chain in Sr3CuPtO6
5	**Archana Mishra (Korea Advanced Institute of Science and Technology, Daejeon)**
	Phase transitions in Kane Mele Model on honeycomb lattice in presence of interactions
6	**Kai-Hsin Wu (National Taiwan University)**
	Classical spin liquid state in the quantum Kagome Ice
7	**Masahiro Sato (Ibaraki University)**
	Topological lights for ultrafast control of topological magnetism
8	**Arvind Yogi (IBS, Center for Correlated Electron System Department of Physics & Astronomy)**
	Unconventional charge ordering in 3D metallic single crystal of Na2.7Ru4O9
9	**Chih-Yuan Lee (National Taiwan University)**
	Effect of the Dzyaloshinskii-Moriya interactions in the kagome Heisenberg antiferromagnet
10	**Seokhwan Yun (Seoul National University)**
	Anisotropy in orbital ordered Li2RuO3
11	**Taehun Kim (Seoul National University)**
	Giant thermal hysteresis in Verwey transition of single domain Fe3O4 nanoparticles

SNU Map (Hoam, #56)



A. Take bus #02 from Hoam Faculty House get off at the "Pascucci cafe" and go down the hill until you reach a building #61, CTL. Turn left at #61 towards to the Library. On the way to the library, which is between #62 and #62-1, there's a cafeterias and stores. You need to keep walking straight until you reach #56.

B. You can walk from Hoam Faculty House, it will take about 20 minutes.



Take bus #5513 from the main gate and get off at the "National Instrumentation Center for Environmental Management station" than go straight to Gate#4. Cross the rode and go straight to building 56.

Lunch and Banquet