



"The 3rd Emallia Conference 2017"

Busan, 7th – 8th of September 2017



1st day on 9/7/2017, Venue: Conference room (1st floor) of Induck Hall (Building No. 507)

Time	min.	Agenda/Name	Title
09:30	120	Lab. Tour	
11:30	90	Lunch together at Cafeteria of PNU	
13:00	10	Opening & Greeting from PNU by Prof. Heui-Soo Kim	
13:10	5	Greeting from RIKEN by Prof. Isao Watanabe	
13:15	5	Greeting from HU by Prof. Atsushi Kawamoto	
13:20	10	Photo Session	
Session 1		Chair: Julia Angel (RIKEN)	
13:30	30	invite1 Prof. Lieh-Jeng Chang (NCKU)	Excitations of Higgs ferromagnetic phase in $\text{Yb}_2\text{Ti}_2\text{O}_7$
14:00	15	talk1 Jinwoong Hwang (PNU)	Strong interactions between graphene and platinum
14:15	15	talk2 Dita Puspita Sari (RIKEN)	Possible coexistence of <i>s</i> - and <i>d</i> - wave pairing symmetry in λ -(BETS) ₂ GaCl ₄ studied by μ SR
14:30	15	talk3 Tadashi Sasaki (HU)	Newman-Janis Algorithm on Asymptotically Flat Spacetimes
14:45	15	talk4 Tomoaki Agatsuma (NIMS)	Self-restraint of spin-fluctuation-mediated superconductivity in iron-based superconductors
15:00	15	talk5 Retno Asih (RIKEN)	Magnetic ordered states of hole doped pyrochlore iridates $(\text{Nd}_{1-x}\text{Ca}_x)_2\text{Ir}_2\text{O}_7$ studied by μ SR
15:15	15	Break	
Session 2		Chair: Sehwan Song (PNU)	
15:30	30	invite2 Prof. Yugo Oshima (RIKEN)	Magnetotransport studies of carbon-based nanotubes by use of non-contact method
16:00	15	talk6 Yusuke Suda (HU)	Chimera states in nonlocally coupled phase oscillators with higher harmonic interaction
16:15	15	talk7 Sang-Kyun Ryu (PNU)	Growth of electronically distinct manganite thin films by modulating cation stoichiometry
16:30	15	talk8 Julia Angel (RIKEN)	Magnetically ordered states in hole-doped pyrochlore iridate $\text{Y}_{1-x-y}\text{Cu}_x\text{Ca}_y\text{Ir}_2\text{O}_7$
16:45	15	talk9 Kazuto Moribe (HU)	Resistivity measurement under pressure in pseudo-k-(BEDT-TTF) ₄ [(H ₃ O)Ga(C ₂ O ₄) ₃] · C ₆ H ₅ NO ₂
17:00	15	talk10 Taewon Min (PNU)	Ab initio study of polaron dynamics in transition metal oxides
17:15	15	talk11 Marie Ohuchi (HU)	Microscopic theory of the vortex-core charging in superconductors

2nd day on 9/8/2017, Venue: Room 207 (2nd floor) of Integrated Mechanical Engineering Building (Building No. 303)

Time	min.	Agenda/Name	
Session 3		Chair: Yuto Ishii (HU)	
9:30	30	invite3	Prof. Lusi Safriani (UNPAD) Study of Spiro-Material as Hole Transport Layer to Enhance Performance of Dye Sensitized Solar Cell (DSSC)
10:00	15	talk12	Irwan Ramli (RIKEN) Muon Sites in High-Tc Superconductor, YBa ₂ Cu ₃ O ₆
10:15	15	talk13	Megumi Yatsushiro (HU) Magnetic ordering in the Hubbard model with two types of antisymmetric spin-orbit couplings on a zigzag chain
10:30	15	talk14	M. Darwis Umar (RIKEN) The New Muon Spin Relaxation Functions for One-Two sources of Distributed Field on Muon Sites
10:45	15	talk15	Gwoon Kim (PNU) Effect of thermal treatment on N ⁺ ions implanted NbO ₂ thin films
11:00	15	talk16	Taehoon Lee (RIKEN) Anomalous antiferromagnetic resonance of λ-(BETS) ₂ FeCl ₄ in antiferromagnetic insulating phase
11:15	15	talk17	Wataru Kohno (HU) Ground state of M-component Bose-Einstein condensates with 3/2-body interactions
11:30	85	Lunch together at Cafeteria of PNU	
Session 4		Chair: Irwan Ramli (RIKEN)	
12:55	30	invite4	Prof. Hu-Jong Lee (POSTECH) Valley-symmetric quasi-1D carrier guiding in ballistic graphene
13:25	30	invite5	Prof. Atsushi Kawamoto (HU) Basic of Nuclear magnetic resonance and its application to solid state physics
13:55	15	talk18	Sera Jeon (PNU) Ab-initio studies of polymorphism and phase transition in MoS ₂
14:10	15	talk19	Yuto Ishii (HU) Magnetic properties of S = 5/2 triangular lattice dimer Cs ₃ Fe ₂ Cl ₉
14:25	15	talk20	Fahmi Astuti (RIKEN) Muon Spin Resonance Investigation on the Magnetic Order of π-electrons in the Rubidium Superoxide (RbO ₂)
14:40	15	talk21	Takuya Tatsuishi (HU) Model search in superstring theory
14:55	15	talk22	Sunghyun Kim (RIKEN) ESR Study of the Valence Bond Solid material EtMe ₃ P[Pd(dmit) ₂] ₂
15:10	20	Break	
Session 5		Chair: Jinwoong Hwang (PNU)	
15:30	30	invite6	Prof. Chul-Hong Park (PNU) Advantage and Limit of First-principles Electronic Structure Calculation for Material Science
16:00	15	talk23	Harizon Rozak (RIKEN) μSR studies on electron dynamics in Guanine
16:15	15	talk24	Hiraku Saito (HU) Hysteretic response to electric current observed in toroidal magnetic ordered state on UNi ₄ B
16:30	15	talk25	Dooyong Lee (PNU) Deposition temperature-dependent the physical property variations of epitaxial VO ₂ film
16:45	15	talk26	M. Redo Ramadhan (RIKEN) Reconsideration of Muon Sites in La ₂ CuO ₄
17:00	15	talk27	Hiroki Morita (HU) Analysis for high-Tc superconductors based on self-consistent perturbation expansion
17:15	15	talk28	Ji-Eun Lee (PNU) Investigation of the electron band structure of single-crystal SnSe
17:30	15	General discussion/comments	
17:45	15	Closing from PNU by Prof. Chang-Hwan Lee	
18:00	60	Go to Dalmaji road	
19:00	30	Seeightseeing around Dalmaji road	
19:30	90	Banquet in a korean restaurant at Haeundae	
21:00		Haeundae tour (The Bay 101, Gwangan Bridge, Marine city, etc.)	