Monday, October 14

09:30 – 10:10 Registration & Poster session preparation

10:10 – 10:25 Sergej Flach, PCS IBS
Opening address

10:25 – 10:40 Scientific coordinators
Opening address

10:40 – 11:20 Mike Zhitomirsky, IRIG, CEA, France
Dirty and frustrated: effects of quenched disorder in magnets with competing interactions

11:20 – 12:00 Masafumi Udagawa, Gakushuin University, Japan
Magnetic and charge response of Kitaev's spin liquid

12:00 – 13:00 Lunch

13:00 – 14:00 Discussions

14:00 – 14:40 Ludovic Jaubert, LOMA, CNRS & Univ. of Bordeaux, France
How to characterise spin liquids?

14:40 – 15:10 Byungmin Kang, KIAS, Korea
Exotic 'superuniversal' quantum phase transitions in unfrustrated systems in two dimensions

15:10 – 15:40 Coffee break

15:40 – 16:20 Jung Hoon Han, Sungkyunkwan University, Korea
Spin-1 chain Redux: some new results and methods

16:20 – 17:00 Gil Young Cho, POSTECH, Korea
Novel electronics of honeycomb charge-density wave networks

17:00 – 18:00 Discussions

18:00 – 19:30 Welcome reception

Tuesday, October 15

09:30 – 10:10 Yuji Matsuda, Kyoto University, Japan

Effect of quenched disorder on a quantum spin liquid state of triangular-lattice antiferromagnet 1T-TaS2

10:10 – 10:40 Coffee break

10:40 – 11:20 Stephen Nagler, Oak Ridge National Laboratory, USA

Magnetic excitations and possible quantum spin liquid physics in α-RuCl3

11:20 – 12:00 Natalia Perkins, University of Minnesota, USA

Anisotropy of magnetic field-induced phases in the hyperhoneycomb Kitaev magnet beta-Li2IrO3

12:00 – 13:00 Lunch

13:00 – 14:00 Discussions

14:00 – 14:40 Bumjoon Kim, POSTECH, Korea

Z2xZ2 magnetic domains and magnetic moment disproportionation in the spin-orbit Mott insulator Sr2IrO4

14:40 – 15:20 Akira Furusaki, RIKEN, Japan

Quantum phase transitions beyond Landau-Ginzburg theory in one dimension revisited

15:20 – 16:00 Eun-Gook Moon, KAIST, Korea

Topological phase transitions and magnetic field effects of Kitaev quantum spin liquids

16:00 – 16:30 Coffee break

16:30 – 18:00 Poster session

18:00 – 19:30 Poster session dinner

Wednesday, October 16

09:30 – 10:10 Je-Geun Park, Seoul National University, Korea
Magnon-magnon/phonon coupling in two-dimensional triangular lattice antiferromagnets

10:10 – 10:30 Workshop picture

10:30 – 11:10 Coffee break

11:10 – 11:50 Lucile Savary, ENS de Lyon & CNRS, France
SU(4) antiferromagnetism and dimers

11:50 – 12:50 Lunch

12:50 – 18:30 Excursion
Jeonju hanok village
전주한옥마을
registration required: contact the Visitor Program on Monday

18:30 – 20:00 Workshop banquet
Nature Village — Daehangno 60, Mad Block bldg, 2nd floor
자연마을 — 봉명동 매드블럭 2층
registration required: contact the Visitor Program on Monday

Thursday, October 17

09:30 – 10:10 Leon Balents, University of California, Santa Barbara, USA
Dynamics of quantum magnets

10:10 – 10:40 Coffee break

10:40 – 11:20 Bruce Gaulin, McMaster University, Canada
Recent results on quantum spin ice candidate materials

11:20 – 12:00 Michel Gingras, University of Waterloo, Canada
Towards an understanding of the paradoxical terbium pyrochlores oxides: finding guidance, perhaps, from Tb2Ge2O7

12:00 – 13:00 Lunch

13:00 – 14:00 Discussions

14:00 – 14:40 Matthias Vojta, TU Dresden, Germany
Destruction of long-range order in non-collinear 2D antiferromagnets by random-bond disorder

14:40 – 15:20 Sasha Chernyshev, University of California, Irvine, USA
Anisotropic-exchange magnets on a triangular lattice: Spin waves, accidental degeneracies, and dual spin liquids

15:20 – 15:50 Coffee break

15:50 – 16:30 Kedar Damle, Tata Institute of Fundamental Research, India
Vacancy-induced Curie tail in the SU(2) symmetric Kitaev model of Yao and Lee

16:30 – 17:10 Alexander Tsirlin, University of Augsburg, Germany
Role of structural disorder in triangular Yb-based antiferromagnets

17:10 – 17:50 Discussions

17:50 – 18:50 Dinner

Friday, October 18

09:30 – 10:10 Oleg Tchernyshyov, Johns Hopkins University, USA
Quantum statistics of vortices from a dual theory of the XY ferromagnet

10:10 – 10:40 Coffee break

10:40 – 11:20 Gia-Wei Chern, University of Virginia, USA
Novel magnetic ordering and phase transitions in frustrated spin-orbit magnets

11:20 – 12:00 Karlo Penc, W. Research Centre for Physics, HAS, Hungary
Macroscopically degenerate ground state in the SU(3) symmetric Heisenberg model on the kagome lattice

12:00 – 13:00 Lunch

13:00 – 13:30 Discussions

13:30 – 14:00 Paul McClarty, MPI-PKS, Germany
Topological magnons and the non-Hermitian topology of spontaneous magnon decay

14:00 – 14:30 Dirk Wulferding, TU Braunschweig, Germany
Magnon bound states vs. anyonic Majorana excitations in a Kitaev honeycomb magnet

14:30 – 14:45 Scientific coordinators
Closing remarks

14:45 – 18:00 Discussions & Poster removal

18:00 – 19:30 Farewell dinner
Su-Ra Myun-Ok — 398 Daedeok-daero
수라면옥 — 대덕대로 398
registration required: contact the Visitor Program by Tuesday