

**SCHEDULE OF MEXT/CIFAR PROGRAM ON FRUSTRATED MAGNETIC AND OTHER SYSTEMS**

Coast Plaza Hotel, 1763 Comox Street, Vancouver, BC  
(604) 688-7711 Meeting held in the Denman Room

Sat 28	Sun 29	Mon 30	Tue 31	<u>LEGEND</u>
<b>BREAKFAST,</b> 7:00 – 8:25 <b>Comox Room</b>	<b>BREAKFAST,</b> 7:00 – 8:25 <b>Comox Room</b>	<b>BREAKFAST,</b> 7:00 – 8:25 <b>Comox Room</b>	<b>BREAKFAST,</b> 7:00 – 8:25 <b>Comox Room</b>	
8:25 – 8:30 GINGRAS TAILLEFER	8:25 – 8:30 KAWAMURA KAWAMURA			
8:30 – 9:30 KIVELSON	8:30 – 9:15 TARJUS 9:15 – 9:35 YOSHINO	8:30 – 9:15 KENZELMANN 9:15 – 9:45 KIMURA	8:30 – 9:15 MATSUDA 9:15 – 9:45 GINGRAS	40+5 FOREIGN 25+5 Jpn_Cdn
9:30 – 10:30 BRAMWELL	9:35 – 10:05 NAKAZAWA 10:05 – 10:25 GREEDAN	9:45 – 10:15 MOTOME	9:45 – 10:15 ONODA	15+5 Contrib
10:30 – 11:00 COFFEE BREAK	10:25 – 11:00 COFFEE BREAK ONODA	10:15-10:45 COFFEE BREAK LUKE	10:15 – 10:45 COFFEE BREAK GAULIN	Session Chair Welcome/closure
11:00 – 12:00 KANODA	11:00 – 11:30 GAULIN 11:30 – 12:00 LUKE	10:45 – 11:15 FRANZ 11:15 – 11:45 KIM	10:45 – 11:15 KOHNO 11:15 – 11:45 KAWAMURA	
<b>LUNCH, Comox</b> 12:00 – 14:00 <b>Room</b>	12:00 – 12:20 KYCIA <b>LUNCH,</b> 12:20 – 14:00 <b>Comox Room</b>	11:45 – 12:05 YASUI <b>LUNCH, Comox</b> 12:05 – 14:00 <b>Room</b>	11:45 – 12:05 KAWASHIMA <b>LUNCH,</b> 12:05 – 14:00 <b>Comox Room</b>	
14:00 – 15:00 LEE	14:00 – 14:45 WOLYNES <b>POSTER</b> <b>SESSION</b> <b>&amp;</b> <b>COFFEE BREAK</b> Held in the Conference Foyer	14:00 – 14:30 TAKAGI 14:30 – 15:00 TANIGUCHI 15:00 – 15:20 WIEBE	14:00 – 14:20 Sakai 14:20 – 14:40 Ohta 14:40 – 15:10 PARAMEKANTI 15:10 – 15:15 GINGRAS	
15:00 – 15:30 COFFEE BREAK	14:45-18:00	15:20 – 15:45 COFFEE BREAK FRANZ JULIAN		
15:30 – 16:30 NAKATSUJI	16:15 – 16:35 MAYURAMA			
<b>GROUP</b> <b>DINNER, Coast</b> <b>Plaza Hotel,</b> <b>Shoreline</b> <b>Suite, 35th</b> <b>Floor</b>		<b>GROUP DINNER,</b> <b>Sylvia Hotel,</b> <b>1154 Gilford</b> <b>Street</b> <b>(604) 681-9321</b>		

### **FOREIGN INVITED SPEAKERS**

- Steve Bramwell, University College London  
"From monopoles to magneticity: the magnetolyte properties of spin ice"
- Kazushi Kanoda, University of Tokyo  
"Spin frustration and Mott transition in triangular-lattice organics"
- Michel Kenzelmann, Paul Scherrer Institute  
"Magnetically-driven magneto-electric quantum phase transition in an organo-metallic  $S=1/2$  antiferromagnet"
- Steve Kivelson, Stanford University  
"Some exact results for simple quantum models with exact Mott insulating groundstates or to what extremes will a highly frustrated physicist go?"
- Patrick Lee, MIT  
"Quantum spin liquid: key issues and proposals for further experimental probes"
- Masaaki Matsuda, Oak Ridge National Laboratory  
"Recent neutron scattering studies of honeycomb and triangular antiferromagnets"
- Satoru Nakatsuji, University of Tokyo  
"Spin liquids, Quantum Criticality, and Anomalous Transport in 4f based Kondo Lattice Systems"
- Gilles Tarjus, Université Pierre & Marie Curie, Jussieu  
"Frustration and the Glass Transition"
- Peter Wolynes, University of California in San Diego  
TBA

### **CANADIAN INVITED SPEAKERS**

- Marcel Franz, University of British Columbia  
"Interactions and frustration in topological insulators"
- Bruce Gaulin, McMaster University  
"Dynamic Spin Liquid and Static Spin Ice Ground States in Ising-like Pyrochlores"
- Michel Gingras, University of Waterloo  
"Pyrochlore oxides: problems with the XY family"
- Yong-Baek Kim, University of Toronto  
"Spin liquid and topological insulator in correlated electron systems with strong spin-orbit coupling"
- Steve Julian, University of Toronto  
"Metallic frustrated spin systems"

- Graeme Luke, McMaster University  
"Quantum spin fluctuations in spin ice detected by muon spin relaxation"
- Arun Paramakanti, University of Toronto  
"Quantum paramagnets and field-induced Neel order on the honeycomb lattice"

#### **JAPANESE INVITED SPEAKERS**

- H. Kawamura, Osaka University  
"Multiple-Q order and the skyrmion lattice in triangular-lattice antiferromagnets in applied fields"
- Tsuyoshi Kimura, Osaka University  
"Magnetoelectric aspect of frustrated magnets"
- Masanori Kohno, National Institute for Materials Science  
"Origin of high-energy magnetic excitations in anisotropic triangular antiferromagnets in a magnetic field: relation to Mott physics"
- Yukitoshi Motome, University of Tokyo  
"Emergent order in spin-charge coupled systems on frustrated lattices"
- Yasuhiro Nakazawa, Osaka University  
"Specific heat of spin liquid state in organic triangular salts"
- Shigeki Onoda, RIKEN  
"New pyrochlore spin liquids"
- Hidenori Takagi, University of Tokyo  
"Quantum magnetism in Ir<sup>4+</sup> based oxide magnets"
- Toshifumi Taniguchi, Osaka University  
"Universality class for canonical spin glass systems"

#### **JAPANESE CONTRIBUTED TALKS**

- Isao Maruyama, Osaka University  
"Topological invariants based on Berry phases for frustrated systems"
- Naoki Kawashima, University of Tokyo  
"Mixed State and novel transitions in quasi-two dimensional frustrated magnets"
- Hitoshi Ohta, Kobe University  
"High field ESR studies of kagome antiferromagnets"

- Toru Sakai, Japan Atomic Energy Agency  
"Critical magnetization behaviors of the triangular and kagome lattice quantum"
- Yukio Yasui, Nagoya University  
"Anomalous dielectric properties of quasi-1D frustrated spin-1/2 Systems with CuO<sub>2</sub> ribbon chain"
- Hajime Yoshino, Osaka University  
"Sliding and jamming of vortices in a frustrated Josephson junction array"

#### **CANADIAN CONTRIBUTED TALKS**

- John Greedan, McMaster University  
"Unexpected ground states in frustrated FCC lattice materials"
- Jan Kycia, University of Waterloo  
"Low temperature AC susceptibility measurements of Ho<sub>2</sub>Ti<sub>2</sub>O<sub>7</sub>"
- Chris Wiebe, University of Winnipeg  
"Spin and charge correlations in single crystalline Y<sub>2</sub>Mo<sub>2</sub>O<sub>7</sub>"

#### **NOTES**

Breakfasts and lunches will be provided by CIFAR throughout the meeting.  
Dinner on the 28th and 31st will also be provided by CIFAR. Other two dinners are to be "self-organized"