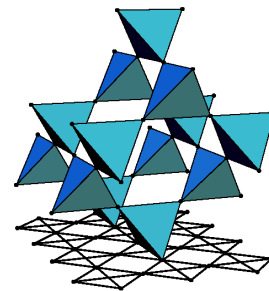


Conference on Frustrated Magnetism



April 10 - 12, 2017

Venue: Ramanujan Auditorium, IMSc

Monday, April 10th	
8.45 a.m. - 9 a.m.	Opening Remarks
9 a.m. - 9.40 a.m.	Shuichi Murakami , <i>Tokyo Institute of Physics</i> Thermal Hall effect and topological edge modes of magnons
9.40 a.m. - 10.20 a.m.	Karlo Penc , <i>Hungarian Academy of Sciences</i> Hall effect of triplons in a dimerized quantum magnet
10.20 a.m. - 10.45 a.m.	Coffee break + registration
10.45 a.m. - 11.25 p.m.	Shigeki Onoda , <i>RIKEN</i> Quantum spin ice under a [111] magnetic field: from pyrochlore to kagome
11.25 a.m. - 12.05 p.m.	Masafumi Udagawa , <i>Gakushuin University</i> Fractional excitations of quantum spin ice in pre-coherency temperature range
12.05 p.m. - 12.45 p.m.	Ying-Jer Kao , <i>National Taiwan University</i> Field-induced ordering in dipolar spin ice
12.45 p.m. - 1.45 p.m.	Lunch
1.45 p.m. - 2.25 p.m.	Mukul S. Laad , <i>IMSc</i> Hidden Fermi liquidity and novel topological criticality in the finite temperature Kitaev model
2.25 p.m. - 3.05 p.m.	Saptarshi Mandal , <i>IOP</i> Entanglement and Majorana edge states in the Kitaev Model
3.05 p.m. - 3.30 p.m.	Coffee break
3.30 p.m. - 4.10 p.m.	Avinash V Mahajan , <i>IIT Bombay</i> Spin liquid behaviour in the honeycomb Ruthenate $\text{Ag}_3\text{LiRu}_2\text{O}_6$
4.10 p.m. - 4.50 p.m.	R. C. Nath , <i>IISER Thiruvananthapuram</i> Magnetic phase transitions in spin-1/2 and spin-1 frustrated triangular lattice antiferromagnets $\text{Li}_2(\text{Cu,Ni})\text{W}_2\text{O}_8$
5 p.m. - 5.30 p.m.	High tea
5.30 p.m. - 6.30 p.m.	<i>Colloquium</i> : Prof. Ronny Thomale , <i>University of Würzburg</i> Frustrated magnetism: the cradle for topological phases in strongly correlated electron systems

Tuesday, April 11th	
9 a.m. - 9.40 a.m.	Ashim Pramanik, JNU Pyrochlore Iridates: Tuning of spin orbit coupling and electron correlation effects
9.40 a.m. - 10.20 a.m.	Soumik Mukhopadhyay, IIT Kanpur Magnetotransport properties in single crystalline nanowires based on pyrochlore Iridates
10.20 a.m. - 10.45 a.m.	Coffee break
10.45 a.m. - 11.25 p.m.	Ronny Thomale, University of Würzburg Chiral spin liquids
11.25 a.m. - 12.05 p.m.	Johannes Reuther, FU Berlin Functional renormalization group - a new approach to frustrated quantum magnetism
12.05 p.m. - 12.45 p.m.	Yasir Iqbal, University of Würzburg The diverse footprints of quantum spin liquids in 3D frustrated magnets: cogwheels, boomerangs, and much more
12.45 p.m. - 1.45 p.m.	Lunch
1.45 p.m. - 2.25 p.m.	Krishnendu Sengupta, IACS Phase bands of driven integrable quantum systems
2.25 p.m. - 3.05 p.m.	Bireswar Basu-Mallick, SINP Generalized Simons-Altshuler spin chain and related vertex model
3.05 p.m. - 3.30 p.m.	Coffee break
3.30 p.m. - 4.10 p.m.	Manoranjan Kumar, SN Bose National Centre for Basic Sciences Effect of long range interaction in frustrated ferromagnetic spin-1/2 chain
4.10 p.m. - 4.50 p.m.	Suchitra Sebastian, University of Cambridge Neutral Fermi surface in the Kondo insulator SmB ₆

Wednesday, April 12th	
9 a.m. - 9.40 a.m.	R. Nirmala, IIT Madras Spin glass behaviour in frustrated quantum system CuAl_2O_4
9.40 a.m. - 10.20 a.m.	Yogesh Singh, IISER Mohali Quantum spin liquid in a bilayer kagome magnet $\text{Ca}_{10}\text{Cr}_7\text{O}_{28}$
10.20 a.m. - 10.45 a.m.	Coffee break
10.45 a.m. - 11.25 p.m.	Soumyadeep Bhattacharya, SankhyaSutra Labs Pvt. Ltd. Quasi-liquid phase in Potts models via suppression of topological defects
11.25 a.m. - 12.05 p.m.	Hidemaro Suwa, University of Tennessee Worm algorithm with geometric optimization and deconfined spinons at Neel-VBS Transition
12.05 p.m. - 12.45 p.m.	Bimla Danu, IMSc Extended degeneracy in the square J_1 - J_2 - J_3 model
12.45 p.m. - 1.45 p.m.	Lunch
1.45 p.m. - 2.25 p.m.	Pinaki Sengupta, Nanyang Technological University Magneto-electric phenomena in metallic frustrated magnet
2.25 p.m. - 3.05 p.m.	Madhuparna Karmakar, ISI Chennai Noncollinear order and gapless pairing in s-wave magnetic superconductors
3.05 p.m. - 3.30 p.m.	Coffee break
3.30 p.m. - 4.10 p.m.	Brijesh Kumar, JNU Spontaneous trimerization in the spin-1 Kagome antiferromagnet
4.10 p.m. - 4.50 p.m.	Subhro Bhattacharjee, ICTS Spin liquids in XXZ Kagome antiferromagnets