

PKU-OSU Workshop on Quantum and Topological Matter

March 10, 2019
Smith Seminar Room

9:20	Welcome
9:30 – 9:55	Chris Hammel <i>Microscopic Magnetic Resonance Spectroscopy & Spin Dynamics Measurement</i>
9:55 – 10:20	Ryuichi Shindou <i>“Theories of unconventional transport scaling in disordered semimetals and 3-d topological magnetic crystalline insulators in graphite under high magnetic field”</i>
10:20 – 10:55	Fengyuan Yang <i>“Dynamic Spin Transport in AF Insulators: Angular Dependent Spin Pumping in Y3Fe5O12/NiO/Pt Trilayers”</i>
10:55 -- 11:15	break
11:15 – 11:40	Jason Ho <i>“Universal feature of twisted bilayer graphene”</i>
11:40 – 12:05	Junren Shi <i>“Superconductivity of Liquids”</i>
12:05 – 12:30	Yuan Li <i>“Spin-orbit coupling and “preferred” magnetic excitations in Fe-based superconductors”</i>
12:30 – 1:30	lunch
1:30 – 2:00	facility tour
2:00 – 2:25	Jian-Hao Chen <i>“Barkhausen effect in the first order structural phase transition in type-II Weyl semimetal”</i>
2:25 – 2:50	Yuanming Lu TBA
2:50 – 3:15	Yang Liu <i>“Morphing of multi-subband 2D hole systems”</i>
3:15 – 3:30	break
3:30 – 3:55	Rolando Valdes Aguilar <i>“Raman Scattering studies in quasi-2D honeycomb magnets alpha-RuCl₃ and CrI₃”</i>
3:55 – 4:20	Yu Ye <i>“Desired two-dimensional quantum materials’ properties via designed synthesis”</i>
4:20 – 4:55	Jeanie Lau <i>“Quantum Transport in 2D Materials”</i>
4:55 – 5:20	Xiaosong Wu <i>“Thermoelectric study of topological materials”</i>
5:20 – 5:45	Tiancong Zhu <i>“Magnetism in 2D materials and its integration with topological insulators”</i>