

Recent Progress in Extreme Quantum Matter and Functionality | CeQMF (SKKU)

Date & Time Dec. 5 (Tue) 10:30~17:30

Place 2F, Mara Hall [\[Offline Only\]](#)

Organized by Center for Extreme Quantum Matter and Functionality (CeQMF), Sungkyunkwan University

Time (Korea Time)	Presenter	Title
Dec. 5 (Tue) 10:30~12:00 Session 1 Chair: Young Jun Chang (University of Seoul, Korea)		
10:30-11:00	Tuson Park (SungKyunkwan University)	Charge Delocalization and Quantum Criticality in Strongly Correlated Electron Systems
11:00-11:30	Huiqiu Yuan (Zhejiang University)	Strange metal behavior, superconductivity and quantum criticality in correlated materials
11:30-12:00	Kee Hoon Kim (Seoul National University)	Anomalous Hall effect and Quasi-particle excitations in Cs(V,Ti)3Sb5 kagome superconductors
Dec. 5 (Tue) 14:00~15:30 Session 2 Chair: Hyeonjun Baek (Sogang University, Korea)		
14:00-14:30	Yong Chen (Purdue University)	Multimodal characterizations of 2D/topological quantum materials and devices: towards in-operando microscopy and spectroscopy
14:30-15:00	Dongseok Suh (Ewha Womans University)	Proximity interaction between graphene and quantum functional materials investigated in the transistor device configuration
15:00-15:30	Jaeil Jung (University of Seoul)	Moire and moire-less band flattening and orbital magnetism in rhombohedral multilayer graphene
Dec. 5 (Tue) 16:00~17:30 Session 3 Chair: Tuson Park (SungKyunkwan University, Korea)		
16:00-16:30	Elbert M. Chia (Nanyang Technological University)	Controlling THz emission in topological materials
16:30-17:00	Heesuk Rho (Jeonbuk National University)	Influence of defects on the energy landscape of 2D materials
17:00-17:30	Hyunsik Im (Dongguk University)	Creating coherent quantum matter via Kondo cloud condensation