

**APCTP-KIAS Quantum Materials Symposium 2020**  
**February 9 (Sun.) ~ 14 (Fri.), 2020**  
<https://www.apctp.org/plan.php/QMS2020>

### Venue

YongPyong resort (Dragon Valley Hotel)

### Important dates

- Abstract submission deadline : Jan. 31, 2020
- Registration deadline : Jan. 31, 2020
- Workshop Dates : Feb 9 – 14, 2020

### Overview

APCTP–KIAS Quantum Materials Symposium 2020 (QMS2020) is organized by the Korean condensed matter physics community of strongly correlated electron systems (SCES) and various institutes in Korea including Asia–Pacific Center for Theoretical Physics (APCTP), Korea Institute for Advanced Study (KIAS), IBS (Institute of Basic Science) Center for Correlated Electron Systems (IBS–CCES) and IBS Center for Artificial Low Dimensional Electronic Systems (IBS–CALDES). We intend to bring world–renowned researchers in various frontiers in condensed matter physics.

In keeping with our tradition of hosting the symposium in a relaxed atmosphere, we hold QMS2020 at YongPyong Ski Resort during Feb. 9–14, 2020.

### Scope

During the symposium, we hope to cover various topics in condensed matter physics such as quantum magnetism, unconventional superconductivity, heavy fermion, quantum phase transition, low–D electronic materials, topological materials, superconductivity under extreme conditions, oxide semiconductors, 2D electrons, etc.

### Plenary Talks

Piers Coleman (Rutgers University)  
Ali Yazdani (Princeton University)

### Invited Talks

Stuart Brown (University of California Los Angeles)  
Doo Hee Cho (Yonsei University)

Gil Young Cho (POSTECH)  
Kwang-Yong Choi (Chung-Ang University)  
Joseph Falson (California Institute of Technology)  
Jungseek Hwang (Sungkyunkwan University)  
Sumio Ishihara (Tohoku University)  
Joonho Jang (Seoul National University/IBS-CCES)  
Sang Joon Jeon (Chung-Ang University)  
Jeil Jung (University of Seoul)  
Dariusz Kaczorowski (Polish Academy of Sciences)  
Youngkuk Kim (Sungkyunkwan University)  
Youngwook Kim (DGIST)  
Yusuke Kozuka (NIMS)  
Wonshik Kyung (Seoul National University/IBS-CCES)  
Seunghun Lee (University of Maryland)  
Dragan D. Mihailović (Jožef Stefan Institute)  
Eun-Gook Moon (KAIST)  
Sungyun Park (Pusan National University)  
Abhay Pasupathy (Columbia University)  
Sylvain Petit (Laboratoire Léon Brillouin)  
Jian Shen (Fudan University)  
Jairo Sinova (Johannes Gutenberg University Mainz)  
Changhee Sohn (UNIST)  
Philipp Werner (University of Fribourg)  
Bohm-Jung Yang (Seoul National University/IBS-CCES)  
Huiqiu Yuan (Zhejiang University)  
Ding Zhang (Tsinghua University)  
Yijin Zhang (University of Tokyo)

## Organizers

Chair – Jaejun Yu (Seoul National University)  
Co-Chair – Gun Sang Jeon (Ewha Womans University)  
Organizing committee:  
Yunkyu Bang (APCTP)  
Hyoung Joon Choi (Yonsei University)  
Younjung Jo (Kyungpook National University)  
Jun Sung Kim (IBS-CALDES, POSTECH)  
Kee Hoon Kim (Seoul National University)  
Tae-Hwan Kim (POSTECH)  
Jae-Hoon Park (POSTECH)  
Je-Geun Park (Seoul National University)  
Kwon Park (KIAS)  
Tuson Park (Sungkyunkwan University)

Chan-Ho Yang (KAIST)

## Contact

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Organized by

