



Division of Condensed Matter Physics  
Association of Asia Pacific Physical Societies  
Institute for Materials Research, Tohoku University

## 1<sup>st</sup> Circular on Asia-Pacific Conference on Condensed Matter Physics 2022 November 21<sup>st</sup> to 23<sup>rd</sup>, 2022

We are pleased to invite you to attend Asia-Pacific Condensed Matter Physics Conference 2022(AC<sup>2</sup>MP2022). The second meeting of this series will be jointly organized by the Division of Condensed Matter Physics (DCMP) and the Institute for Materials Research, Tohoku University. The DCMP aims at systematic and continuous exchanges to further develop condensed matter physics in the Asia-Pacific region. Condensed matter physics is one of the major parts of physics that covers a wide range of disciplines. It is constantly developing under vibrant interactions within various scientific areas and contributes to expanding human knowledge and developing society. For example, the Institute for Materials Research is one of the international centers of materials science and condensed matter physics. It operates the international collaboration program called GIMRT: Global Institute for Materials Research Tohoku.

As the second annual meeting organized by the DCMP, it will represent the entire condensed matter community in the Asian-Oceanic region and contribute to expanding international collaborations. The format of the conference will be hybrid and in-person attendance at the venue at Senai, Japan, is strongly encouraged. Online participation is also possible by considering the current difficulties of overseas travels.

The DCMP and IMR wish that AC<sup>2</sup>MP2022 will promote international exchange and collaborations in condensed matter physics. Therefore, on behalf of the organizers, we are pleased to invite you to join.

The Chair Prof. Hiroyuki Nojiri, Institute for Materials Research, Tohoku University

The Co-chair, Chairperson of DCMP, Prof. Je-Geun Park, Seoul National University

### Specialty of Conference

1. 1<sup>st</sup> In-person regional conference on condensed matter physics
2. Focus sessions on three main topics
3. Invited talks by the leading scientists
4. Opportunities for talks of young researchers and financial support for speakers
5. Combination of short oral talks and in-person poster sessions
6. Free participation fee for DCMP members and GIMRT Users (for lunch and mixer of in-person participants, we request actual cost, separately)

## Topics of Conference

The AC<sup>2</sup>MP2022 is going to focus on the following three main topics.

1. Applications of Extreme Conditions for Condensed Matter Physics
2. Quantum Beam Applications in Condensed Matter Physics
3. Topology-Related Phenomena in Matters

**Web site:** <http://AC2MP.imr.tohoku.ac.jp/> ( It will be updated to https site in next days)

## Organizer

Institute for Materials Research, Tohoku University  
The division of condensed matter physics in AAPPS

## Registration Fee

Registration fee is free for DMCP members and for users of GIMRT. For banquet and meals of in-person attendant, we will ask actual cost for those take these options.

## Sponsors

Global Institute for Materials Research Tohoku Program  
High Magnetic Field Collaboratory, Japan  
High Magnetic Forum Japan  
Center for Neutron Science for Advanced Materials  
Center for Advanced Light Source and Materials Science

## Important Dates

August 8, 1<sup>st</sup> circular out, Web site open for presentation submission  
September 10<sup>th</sup>, Submission of presentation close  
October 3<sup>rd</sup>, Speaker Decisions  
October 18<sup>th</sup>, Final program  
Conference 21-23, November

## Venue

Institute for Materials Research, Tohoku University  
Katahira 2-1-1, Aobaku, Sendai, 980-8577, Japan

## VISA

For in-person participants, we will provide the documents needed for the VISA application. For example, one can get a VISA in one week, and there is no quarantine for most areas as of August 2022. The organizer will respond to any future changes to Japan's border control, and we expect that you will have no difficulty traveling to Japan.

## Organizing Committee

J-G. Park(Seoul National Univ.)  
H. Nojiri(Tohoku Univ.)  
Y-P. Chiu(National Taiwan Univ.)  
L. Lu(The Institute of Physics, CAS)  
T. Sakai(Univ. of Hyogo)

S. M. Yusuf(Bhabha Atomic Research Center)  
K-W. Choi(Sungkyunkwan Univ.)  
F-C. Chuang(National Sun Yat-Sen Univ.)  
V. Nanal(Tata Institute of Fundamental Research)  
H-H. Wen(Nanjing Univ.)

## Program Committee

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Y. J. Kao(National Taiwan Univ.)

Y. Matsuda(Univ. Tokyo)

C-H. Yang(KAIST)

**Local Organizing Committee**

Secretary

T-H. Kim(POSTECH)

S. Narasimhan(Jawaharlal Nehru Center for  
Advanced Scientific Research)

S. Zhou(Tsinghua University)

M. Kimata(Tohoku Univ.) and S. Kimura(Tohoku  
Univ.)

**Contact : AC<sup>2</sup>MP2022 Organizer**

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