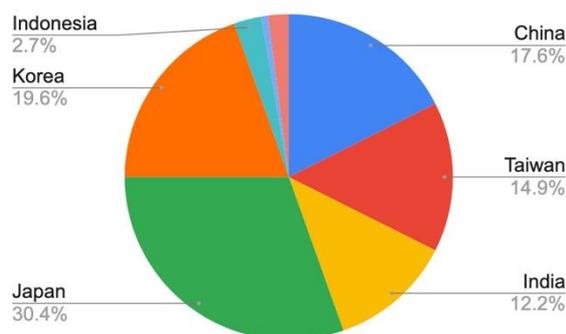


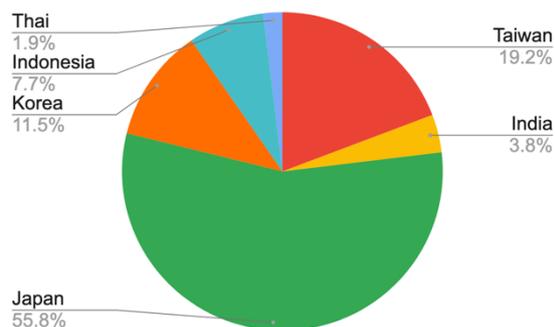
Meeting/conference reports

The Asia-Pacific Conference on Condensed Matter Physics 2022 was held from 21st Nov. to 23rd. Nov. 2022 in Sendai, Japan in hybrid format. This is the 2nd annual meeting of the DCMP. This year, we had APPC15 in summer and so the meeting was focused on three main topics, applications of extreme conditions for condensed matter physics, quantum beam applications in condensed matter physics, topology related phenomena in matters.

The total number of registered participants was 148 and that of the onsite attendants was 52. The 56% of the onsite attendants were from Japan and 19 % were from Taiwan. There were 8 % of attendants from Indonesia.



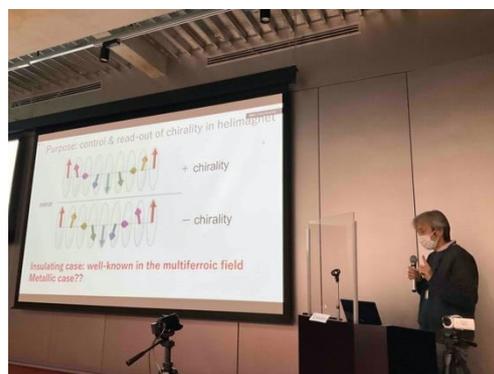
[Composition of registered participants]



[Composition of onsite participants]

The conference started in the morning of 21st with the opening address of the DCMP chair Prof. Park followed by the welcome address from Tohoku University and greeting from Prof. Tajima, the president of

the Physical Society of Japan. It was very



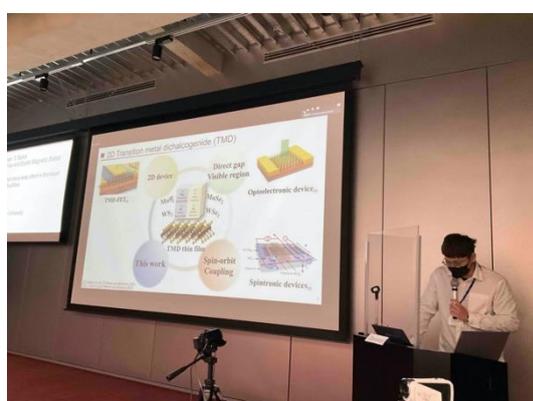
memorable to have two presidents of the physical associations, from Japan and from Taiwan, which are responsible for the current and the future AC2MP meetings.

	Invited	Contributed	Poster
China	6	4	0
Taiwan	6	4	0
India	3	0	0
Japan	4	14	10
Korea	7	3	1
Indonesia	0	2	3
Thai	0	1	0
Others	0	1	0
	26	29	14

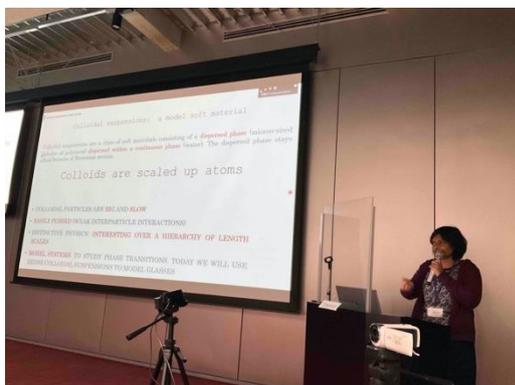
Day 1 Program and General Assembly

There were three sessions, Advances in Magnetic and Dielectric Systems, Optical Response and Exotic Magnetic States, Novel Functionality in Matters were hold in the 1st

day with 7 invited, 11 contributed speakers. The keywords of talks are quantum phase



transition, topology, frustration, non-collinear structure, non-linear response, half-metal and others. The talks covered wide

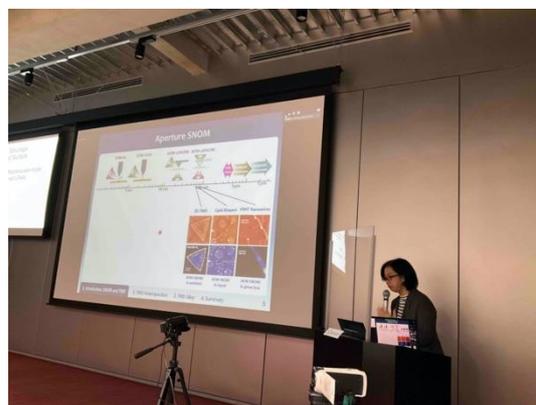


range of the current topics of condensed matter physics with several common key concepts.

In the evening, the General Assembly of the DCMP was held. The activity report and the election result of the next chair and vice chairs are approved. Prof. Kao and Prof. Ma made the presentation for AC2MP2023 proposal in Hualien, Taiwan from November 27 to 29. and the certificate was given from the DCMP chair to Prof. Kao.

Day 2 Program and Poster Session

There were two sessions about Superconductivity, CDW and Nanoprobes and Physics of Thin Films and Layered Materials. Then poster session with short presentation was held. In the superconductivity session, the discussion on high- T_c superconductivity and the novel superconductive materials were made. In the film and layered materials session, the up to date reports on topological matters and semiconductors were given. The poster presentations from young researchers and students showed the power of the new generations.



Day 3 Program and Poster Session

There were three sessions on Topological Matters and Surface, Nano Science and Novel Transport, Quantum Matters and Extreme Conditions. There were intense discussion on the topology and the transport as well as novel states induced by the strong magnetic fields. The relation between topological matter and strong correlation was also the one of the highlights.

Closing

In the closing remark, the conference chair Prof. Nojiri expressed deep gratitude for attendants, program committee members, the local organizing committee and sponsors for their support and contributions. It was concluded that the meeting was quite successful as the 1st onsite event of the DCMP towards the post covid-19 era.



Budget (tentative)

Travel	IMR	APCTP
Invited(Onsite)	549,013	772,602
Speaker(Onsite)	1,166,060	183,740
Others(Onsitw, TBD)		
Invited(Online)		0
Others(Onsite)		
Total	1,715,073	956,342
Others	100,000	

