

1. Title (both in English for a domestic workshop/conference)	22nd International Conference on Recent Progress in Many-Body Theories (RPMBT22)
2. List of members of the organizing committee with full name and affiliation	Ryotaro Arita (Univ. of Tokyo, Japan) Yasuhiro Hatsugai (Univ. of Tsukuba, Japan) Nobuo Hinohara (Univ. of Tsukuba, Japan) Atsushi Hosaka (Osaka Univ., Japan) Masaaki Kimura (RIKEN Nishina Center, Japan) Takashi Nakatsukasa (Univ. of Tsukuba, Japan) Shunsuke Sato (Univ. of Tsukuba, Japan) Seiji Yunoki (RIKEN, Japan)
3. Period of workshop / conference	From 23/09/24 to 27/09/24
4. Venue	Kasuga Auditorium, Kasuga Campus, University of Tsukuba
5. Description of the results	The conference RPMBT22 was successfully held at University of Tsukuba, with about 90 participants from worldwide. There were about 40 oral presentations and 20 poster presentations. It was a precious opportunity for researchers in different fields of quantum many-body theories to gather and to exchange ideas/methods. The conference had two award ceremonies and three award lectures on applications of quantum field theory to emergent many-body phenomena and fermion many-body systems. The conference also includes many talks on quantum information and computing in various fields, which indicates recent trends in the many-body community. In a business meeting of International Advisory Committee, there was a serious concern on how to attract young students to quantum many-body theories. The talks in the meeting may be too specialized, not so student-friendly. The next one of the RPMBT series of conference was decided to be hosted by University of Milano, Italy.
6-1. Numbers of participants from overseas	37
6-2. Numbers of male participants	About 80
6-3. Numbers of female participants	About 10
7. URL of the webpage	<a href="https://project.ccs.tsukuba.ac.jp/e/RPMBT22">https://project.ccs.tsukuba.ac.jp/e/RPMBT22</a>