ISCO 2023

Opening Remarks

Tadayuki Takahashi on behalf of the Organing Committee

Interdisciplinary Science Conference in Okinawa (ISCO 2023)

ISCO 2023

This poster shows the connection between the fields of fundamental science through the famous Ouroboros serpent.

The message is that we, who live in a modern society with many challenges, can help each other in our research to solve our own problems and welcome the dawn of a new era.

Key word
Interdisciplinary approach

ISCO2023 is organized and sponsored by

two institutes and a graduate school created with an emphasis on an inter-disciplinary approach

KAVLI IPMU
INSTITUTE FOR THE PHYSICS AND MATHEMATICS OF THE UNIVERSE

The goal of the institute is to discover the fundamental laws of nature and to understand the universe from the **synergistic perspectives** of mathematics, statistics, theoretical and experimental physics, and astronomy. (2007-)

iTHEMS

Interdisciplinary Theoretical and Mathematical Sciences Program (iTHEMS) is an international research program at RIKEN. It facilitates close collaborations among **researchers from different disciplines** in theoretical, mathematical and computational sciences. (2016 -)

A pioneering graduate university, conducting **research that bridges disciplines to explore new frontiers of scientific knowledge**. (2005 -)

OIST

ISCO2023 is organized and sponsored by

Grant-in-Aid for scientific Research on Innovative Area (2018–2022), MEXT, Japan

Toward new frontiers : Encounter and synergy of state-of-the-art astronomical detectors and exotic quantum beams

科研費 KAKENHI

宇宙観測検出器と量子ビームの出会い。新たな応用への架け橋。

https://member.ipmu.jp/SpaceTech_to_QuantumBeam/index_e.html


Physics and Mathematics meet Medical Science
Credit: Dr. Hideaki
The purpose of ISCO 2023 is
to discuss the challenges we face
to discuss the latest advancements in the fields
of space science, particle and nuclear physics,
quantum computing, life sciences, and medicine
Feb 27 ▶ Mar 3

Physics and Mathematics meet Medical Science

Invited Speakers

1. Ugur G Abdulla (OIST)
2. Toshiyuki Azuma (RIKEN)
3. Gordon Baym (University Illinois at Urbana-Champaign)
4. Thomas Busch (OIST)
5. Piero Carninci (RIKEN)
6. Neil Davies (University of California, Berkeley)
7. John Girkin (Durham University)
8. Shiro Ikeda (Institute of Statistical Mathematics)
9. Aya Ishihara (Chiba University)
10. Barbara Jacak (University of California, Berkeley)
11. Keiko Kono (OIST)
12. Motoko Kotani (Tohoku University)
13. Alexander Kusenko (University of California, Los Angeles)
14. Tom Melia (Kavli IPMU, The University of Tokyo)
15. Hitoshi Murayama (Kavli IPMU, The University of Tokyo/University of California, Berkeley)
16. Shigehiro Nagataki (RIKEN)
17. Hidetoshi Nishimori (Tokyo Institute of Technology)
18. Mihoko Nojiri (KEK)
19. Milind Purohit (OIST)
20. David C. Reutens (University of Queensland)
21. Nami Sakai (RIKEN)
22. Misao Sasaki (Kavli IPMU, The University of Tokyo)
23. Hideyuki Saya (Fuiita Health University, School of Medicine)
24. Nic Shannon (OIST)
25. Masahiro Teshima (Max Planck Institute for Physics)
26. Yasunobu Uchiyama (Rikkyo University)
27. Yasuyoshi Watanabe (RIKEN)
28. Matthias Wolf (OIST)

Contributed Talks

1. Catherine Beauchemin:
2. Tsuyoshi HONDOU:
3. Gen Kurosawa:
4. Akihiko Monnai:
5. Shinji Okada:
6. Sho Ozaki:
7. Tomoki Ozawa:
8. Florian Pflug:
9. Takashi Tsuboi:

35 poster presetations

Science Organizing Committee:

Tetsuo Hatsuda (RIKEN, Co-Chair)
Motoko Kotani (Tohoku Univ.)
Alexander Kusenko (UCLA)
Nicholas M. Luscombe (OIST, Co-Chair)
Shigehiro Nagataki (RIKEN)
Misao Sasaki (Kavli IPMU)
Amy Shen (OIST)
Tadayuki Takahashi (Kavli IPMU, Co-Chair)
Tadashi Yamamoto (OIST)


Physics and Mathematics meet Medical Science
Credit: Dr. Hideaki
The purpose of ISCO 2023 is
to explore methods for solving issues through the fusion of different fields
to form a new network of researchers.
Feb 27 ▶ Mar 3

This conference is supported by

Nikon Nicon Solutions

困りごと解決カンパニー
TOMY
トミー沖縄ノボサイエンス

GALAXIES

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Welcome to ISCO2023

Toward the dawn of a new era.