

Winter School Guide

This is an overview guide to the 2023-2024 SKCM2 Winter School!

This guide and other resources can be found at the Winter School webpage:

<https://wpi-skcm2.hiroshima-u.ac.jp/conferences/skcm2-2023-winter-school/>

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Action Items for all SKCM2 Members and Visitors

Register for special events

Meals

We would appreciate it if **all** SKCM2 members and visitors could confirm their attendance at special events by filling out this form so we can ensure to have enough food:

<https://forms.gle/Lx5SaRSfnKSsL6mR6>

Bus for Miyajima

If you wish to reserve a seat on the bus for this event, please let us know by completing this separate form: <https://forms.gle/E5uYioHVjrheHy8w8>

(If you are an SKCM2 student or postdoc who has already registered to volunteer, there is no need to register again.)

Scientific Program

Important notes for in-person presenters: on the day of your presentation

To share your talks with collaborators and participants around Japan and internationally, the talks will be streamed via Zoom. A student or staff member will be available to help you with setup.

Laptop and technology

- The best option is likely for you to present from your own laptop.
- Connect to the projector to share slides with the in-person audience. Our projector can connect to your laptop via HDMI cable.
- Next, sign into Zoom and share your screen.

Venue

The venue of the seminar is the Venture Business Laboratory (VBL) Room 204:

<https://goo.gl/maps/4NDVjgucM472Csyw7>

Please arrive at least 15 minutes before your presentation so we can check the technology.

The SKCM2 Secretary Team is available to help you on the day of your seminar. So, if you need any assistance, please find Akiko Ikeda or Rumi Hatakeyama in VBL or email chiral-secretary@office.hiroshima-u.ac.jp.

Calendar/ Program: When are the talks scheduled?

Please see the website:

<https://wpi-skcm2.hiroshima-u.ac.jp/conferences/skcm2-2023-winter-school/>

While the program is largely finalized, there will be updates to the schedule as the School proceeds. We are regularly updating the program and aim to have each week's schedule finalized before its commencement. Please keep an eye on the calendar for the latest information

Hybrid Format: How do I watch the talks?

- Please note on the calendar whether any given seminar is hybrid or Zoom only. Click on the talk title on the Google Calendar to see "location"

Venue

- The venue of the hybrid seminar is the Venture Business Laboratory (VBL) Room 204: <https://goo.gl/maps/4NDVjgucM472Csyw7>
- Zoom talks will also be streamed from VBL 204 for participants to watch together, except for HU holidays, denoted on the calendar as "Zoom only Scientific Program"

Zoom

- The Zoom login will be the same for all talks:
 - <https://zoom.us/j/91534271902?pwd=eCtLNxJLSzFNMWlrSkpLNS93bm5Udz09>
Meeting ID: 915 3427 1902
Passcode: 803070

Recordings

- Please be aware that these sessions will be recorded and archived with instructor permission. You can access the recordings via [SKCM2 Internal Resources](#), although please allow a few days to a week for the videos to be uploaded. With the instructors' consent, we aim to also feature these recordings on YouTube, making them a valuable resource for a wider audience.

Abstracts

How can I find out more information about the talks?

We are updating the abstract book. Please find them here: [SKCM2 Winter School Abstracts](#)

I'm a presenter - how can I submit my abstract title and talk?

Please add your titles and/or abstracts in this form: <https://forms.gle/RQzYKmR1RqGVRRZh9>

Audience: Who is the Winter School for?

- The SKCM2 Winter School Scientific Program is geared towards graduate students and postdocs in a wide variety of science, technology, engineering, and math fields.
- All PIs, co-PIs, Affiliate Members, and others are warmly welcome to join all talks.

Tutorials by Invited Lecturers

Objective

Guest lecturers will deliver pedagogical tutorials on foundational material relevant to the research conducted at SKCM2. This initiative aims to equip our students and postdocs, who come from diverse educational backgrounds (math, physics, chemistry, biology), with a uniform level of training and a common language for effective communication.

Format & Timing

Each tutorial speaker is allotted a speaking time ranging from 1 to 4 hours, depending on the topic. These tutorials typically extend over several days. The scheduled time includes the presentation and questions.

- We encourage presenters to develop pedagogical lectures that are informal, casual, and easy to understand. Please aim to communicate complex topics in an accessible manner, using clear and straightforward language.
- Presenters have the flexibility to choose their style of delivery. This can include varying degrees of interactivity, integrating Q&A sessions, and exploring different methods of audience engagement to enhance the learning experience.

Research Talks by Invited Lecturers

Objective

Our guest presenters will deliver insightful talks on their latest research in knots and chirality. The aim is to provide an understanding of the current work being undertaken across various disciplines in labs around the world.

Format & Timing

1-hour, including questions

- Presenters will talk about topics related to knots and chirality that they are currently excited about.

Research Overviews by SKCM2 PIs and co-PIs

Objective

SKCM2 PIs and co-PIs will present an overview of their research that is related to SKCM2. One aim is to build an extensive and accessible digital library showcasing the research conducted at SKCM2, designed to be informative for a wide audience. Particularly, we hope these lectures will provide potential students and postdocs with a thorough understanding of the work being done here, thereby attracting them to join and contribute to SKCM2.

Format & Timing

1-hour, including questions

Content

- Presenters will begin with essential background information, and delve into an overview of intriguing questions and challenges in your field or those you're particularly interested in.
- We encourage presenters to communicate their complex topics in an accessible manner, using simple language.
- Presenters will emphasize their work related to SKCM2.

Course Credit for HU Students

Students who attend a total of 720 minutes of Winter School seminars and lectures can obtain one credit for the course called Chiral Knot Special Lectures (Lecture code 8K200401).

Students who would like to register to get this credit should sign up on the registration sheet posted in the Secretary's office on the first floor by Dec 25, 2023.

Special Events

Career Forum - Monday, Dec 25 - Mirai Crea 1st floor

Are you a young scientist thinking about your future? Learn from stories of successful scientists with career experience in different sectors. A holiday mixer will follow.

Please see the website for more details:

<https://wpi-skcm2.hiroshima-u.ac.jp/conferences/winter-school-career-forum/>

Miyajima Trip & Outreach Symposium - Tuesday, Dec 26

This is a day devoted to 'Sharing Science with the Public!' Learn about enhancing the reach of your science while visiting the UNESCO World Heritage Site at Miyajima.

Please register for a spot on the bus. See the website for more details:

https://wpi-skcm2.hiroshima-u.ac.jp/public_events/miyajima-outreach-symposium-and-touch-the-knot-event/

Poster Sessions - VBL 1st floor

Nearly every week, we will host a casual poster session accompanied by food. We request that visiting participants create posters. SKCM2 members are also warmly welcomed to create a poster to showcase. If you would like SKCM2 to print your poster, please submit it here:

<https://forms.gle/HEUdyhApwt7buMAf9> (poster requirements within)

The goal of the poster sessions is to foster communication between and among SKCM2 members and Winter School visitors.

Coffee/Tea Time - VBL 1st floor

As usual, we will be having coffee/tea time at 3 pm most every day. Our Winter School visiting students and postdocs will be sharing short 10-minute talks about their research and/or personal presentations. We look forward to this informal scientific and cultural exchange.

HiSOR Tours

The Hiroshima Synchrotron Radiation Center (HiSOR) is a research center for materials science utilizing synchrotron radiation in the vacuum ultraviolet and soft x-ray region.

HiSOR faculty will give guided tours as part of the Winter School to complement their lectures. We hope participants enjoy seeing this impressive on-campus facility.

HiSOR is located across the parking lot from the SKCM2 VBL building. Please meet in the lobby of HiSOR.

Cultural Program

Tea Ceremonies -

12/11/2023 Tea tasting: Meet in the VBL lobby 10 minutes prior to the ceremony

12/23/2023 Tea making: Meet in front of Mirai Crea 10 minutes prior to the ceremony

Immerse yourself in the serene and traditional world of the Japanese tea ceremony, a unique cultural activity deeply rooted in Zen philosophy. This experience offers a peaceful retreat from the hustle of everyday life, providing a chance to appreciate the art of matcha tea making and the beauty of simplicity. Enjoy delicious tea in a traditional Japanese tatami-mat room. On 12/23, the event will allow participants to try to make their own tea. The ceremonies will be kindly hosted by HU Cultural Groups that train in the art of the Japanese tea ceremony.

Please meet in the VBL lobby 10 minutes prior to the ceremony and an SKCM2 staff member will walk you to the ceremony room.

Calligraphy - VBL 204

Dive into the art of Japanese calligraphy and learn to write your name in katakana, which is one alphabet in the Japanese writing system. This activity is a fun way to connect with Japanese culture and language while creating a personalized piece of art.

Hiking - Meet in front of Mirai Crea @ 10 am on weekends

Go for a round trip 2.5-hour hike from Mirai Crea to Kagamiyama (Mirror Mountain) led by Director Ivan Smalyukh. Enjoy the fresh air and exercise while connecting with colleagues! Please note that if it is raining, hiking will be canceled.

Holidays

Please be aware that there are a few holidays at Hiroshima University, specifically on Friday, December 29, and from January 1-3. During this period, we anticipate that you will view these lectures from your home or accommodations.

SKCM2 Student and Postdoc Expectations

- SKCM2-funded members are expected to attend at least 90% of the tutorials and seminars that do not fall on holidays. In principle, we expect in-person attendance.
- The same guidance applies to tea time and the poster sessions.
- However, during the student holiday, from 12/26 to 1/8, the attendance policy will be flexible and lenient (not monitored as part of mandatory attendance) as we understand everyone has other commitments and family celebrations. If available, we hope participants will still join either in person or online. SKCM2-funded members are expected to watch missed lectures after the break.
- If you anticipate missing more than 10% of the non-holiday seminars (for reasons such as research commitments), please send an email to Dr. Kiyo Mondo at kmondo@hiroshima-u.ac.jp explaining your situation, with your advisor cc'd, so we can note and approve your request.