



WPI-SKCM² Summer School

at (HU)²

& joint SKCM²-ICReDD Research Symposium

Event Details

Hokkaido U Portion

July 10–16, 2024

Hiroshima U Portion

July 17–19, 2024

& Online

For more information
and to register



WPI-SKCM² Schools aim to provide interdisciplinary expert training in the realm of knot topology and chirality that is not easily accessible within the traditional system of graduate education and postdoctoral apprenticeship.

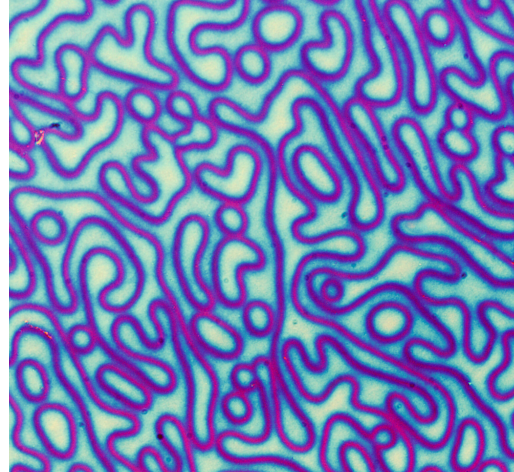
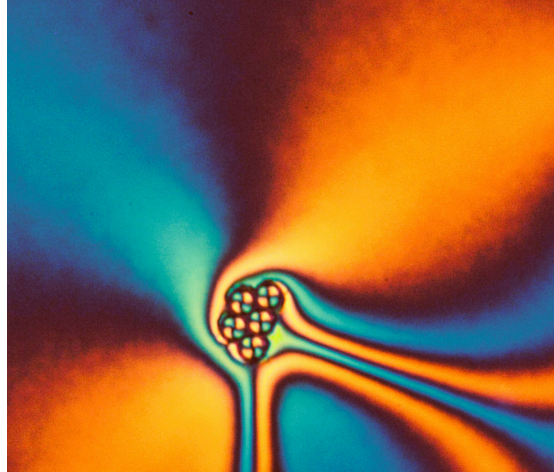
This year's program will feature a mix of tutorial lectures to lay foundational knowledge, cutting-edge research talks to inspire innovation, and special events, including the Joint SKCM²-ICReDD Research Symposium, an entrepreneurship forum, poster sessions, hiking & other community-building activities.

Invited Speakers

Fabien B. L. Cougnon (U of Jyväskylä)
Ingo Dierking (Manchester U)
Marjolein Dijkstra (Utrecht U)
Claire Donnelly (Max Planck Institute)
Jörn Dunkel (MIT)
Nikta Fakhri (MIT)
Shanhui Fan (Stanford U)
Bruno Frka-Petecic (U Cambridge)
Prasanna S. Ghalsasi (U of Baroda)
Jian Ping Gong (Hokkaido U)
Takeharu Haino (Hiroshima U)
Yasuchika Hasegawa (Hokkaido U)
Ulrich Höfer (Philipps-Universität Marburg)
Shang-Te Danny Hsu (Academia Sinica)
Katsuya Inoue (Hiroshima U)
Hajime Ito (Hokkaido U)
Tamas Kalman (Tokyo Tech)
Akio Kimura (Hiroshima U)
Yuya Koda (Keio U)
Yuka Kotorii (Hiroshima U)
Kenta Kuroda (Hiroshima U)
Reiko Kuroda (U Chubu)
Andrey Leonov (Hiroshima U)
Satoshi Maeda (Hokkaido U)
Boris Malomed (Tel Aviv University)

Elisabetta Matsumoto (Georgia Tech)
Alenka Mertelj (Jožef Stefan Institute, U. Ljubljana)
Pierangelo Metrangolo (Politecnico di Milano)
Nobuyoshi Miyamoto (Fukuoka Institute of Tech)
Shuichi Murakami (Tokyo Inst of Tech)
Inasa Nakamura (Saga U)
Muneto Nitta (Keio U)
Chiho Nonaka (Hiroshima U)
Yuta Nozaki (Yokohama National U)
Colin Nuckolls (Columbia U)
Pawel Pieranski (U Paris Saclay)
Carlos Sánchez Somolinos (U of Zaragoza - CSIC)
Chihiro Sasaki (U Wroclaw)
Hiroshi Sato (Hiroshima U)
Kenta Shigaki (Hiroshima U)
Koya Shimokawa (Ochanomizu U)
Ivan Smalyukh (U Colorado Boulder)
Mykola Tasinkevych (U of Lisbon)
William E. Uspal (U of Hawai'i at Manoa)
Hikaru Yabuta (Hiroshima U)
Kyota Yasuda (Hiroshima U)
Ye Yuan (Hiroshima U)





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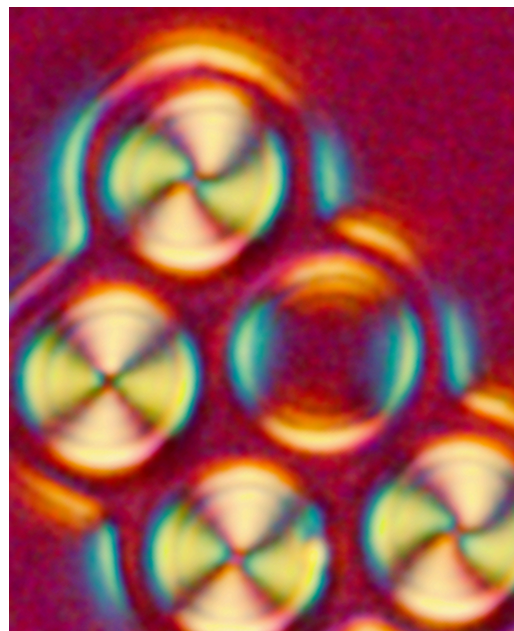
& Online

Scientific highlights

- Two weeks of lectures & tutorials, allowing generous time for in-depth discussions.
- Educational tutorials led by esteemed scientists such as Jorn Dunkel (MIT), Marjolein Dijkstra (Utrecht U), Ingo Dierking (Manchester U), Nikta Fakhri (MIT), Shanhui Fan (Stanford U), and Pawel Pieranski (U Paris Saclay). These sessions will offer foundational knowledge in the newly emerging research domain of knotted chiral meta matter, which is not yet covered in typical graduate curricula.
- A 1-day Joint Research Symposium, highlighting recent work at WPI-SKCM² and WPI-ICReDD, the Institute for Chemical Reaction Design and Discovery.
- A platform for attendees to showcase their research through both oral and poster presentations.
- Also presented in hybrid format, with tutorials and lectures recorded for participants to later access.
- Research highlight talks and poster presentations by young researchers

Other highlights

- An entrepreneurship forum, designed to provide participants with insights into taking their fundamental science discoveries and transforming them into marketable innovations.
- Strengthening community ties and fostering idea exchange through a hiking trip in Sapporo.
- Attendees fulfilling all criteria will be presented with “Master of Knots” certificates.



More info

