

RIKEN

Mathematics & AI

Symposium

August 18-21

Tokyo Symposium on the Mathematical Sciences & Formal Reasoning

This international symposium brings together leading researchers in the mathematical sciences, formal reasoning, and AI-driven discovery to explore the evolving relationship between mathematics and AI. The meeting will examine how AI is reshaping mathematical research, from conjecture and proof to formalization and discovery, while mathematics continues to provide fundamental ideas for the theory and reliability of modern AI. Held in Tokyo, the symposium aims to foster international dialogue and new collaborations at the interface of mathematics and AI.

Opening Remarks



Makoto Gonokami
President, RIKEN

Tutorial Lecturers August 18



Johan Commelin
Mathlib Initiative /
Utrecht Univ.



Sergei Gukov
Caltech

Symposium Speakers August 19-21



Miranda Cheng
Univ. Amsterdam /
Academia Sinica / Physics
of Learning and Neural
Computation



Johan Commelin
Mathlib Initiative /
Utrecht Univ.



Michael Douglas
Harvard Univ. /
Physics of Learning and
Neural Computation /
AletheAI



Hal Finkel
Advanced Scientific
Computing Research, DOE



Sergei Gukov
Caltech



Shirley Ho
Flatiron Institute /
Polymathic / NYU



Ken Ono
Univ. Virginia /
Axiom Math



Ravi Vakil
Stanford Univ.



Ayumi Igarashi
UTokyo / RIKEN



Masaaki Imaizumi
UTokyo / RIKEN



Shin-ichi Ohta
UOsaka / RIKEN



Akiyoshi Sannai
Kyoto Univ. / RIKEN



Shohei Shimizu
UOsaka / Shiga Univ. /
RIKEN



Taiji Suzuki
UTokyo / RIKEN



Akiko Takeda
UTokyo / RIKEN



Yoh Tanimoto
UniRoma2



Takaharu Yaguchi
Kobe Univ. / RIKEN



Hitomi Yanaka
UTokyo / RIKEN

Scientific Advisory Committee

Chair



**Tetsuo
Hatsuda**



**Kenichi
Bannai**



**Yasuyuki
Kawahigashi**



**Motoko
Kotani**



**Hiroshi
Ooguri**



**Masashi
Sugiyama**



Registration

* Registration
closes at noon
on Monday, July 13,
2026 (JST).

[https://pri.riken.jp/
symposium/
ai4math.html](https://pri.riken.jp/symposium/ai4math.html)

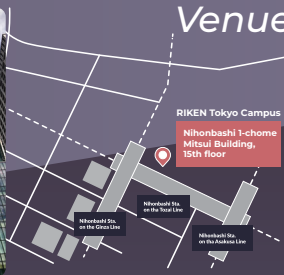
Contact

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Venue



RIKEN Tokyo Campus

Nihonbashi 1-chome Mitsui Building, 15th floor,
1-4-1 Nihonbashi, Chuo-ku, Tokyo 103-0027, Japan

