



The NSF Institute for Artificial Intelligence and Fundamental Interactions (IAIFI)
is enabling physics discoveries and advancing foundational AI through the development of novel AI approaches that incorporate first principles, best practices, and domain knowledge from fundamental physics

MIT Physics Involvement in IAIFI

Faculty Senior Investigators



Jesse Thaler
Director



Mike Williams
Deputy Director



Tracy Slatyer
Community Building
Committee Chair



Phiala Shanahan
Physics Theory
Research Lead



Phil Harris
Physics Experiment
Research Lead



Will Detmold
Computing
Committee Chair



Ike Chuang
MITx Coordinator



Lisa Barsotti
Early Career & Ethics
Committee Chair



Lina Necib
Public Engagement
Committee Chair



Marin Soljacic
Industry Partnership
Committee Chair



Max Tegmark

Affiliates



Liang Fu



Erik Katsavounidis



Eluned Smith



Wati Taylor



Mikhail Ivanov



Mark Vogelsberger

IAIFI Resources & Opportunities

IAIFI Research

- Foundational AI
- AI+Theoretical Physics
- AI+Experimental Physics
- AI+Astrophysics

IAIFI Summer School and Workshop

- IAIFI Summer School: August 4-8, 2025 at Harvard (<https://iaifi.org/phd-summer-school>)
- IAIFI Summer Workshop: August 11-15 2024 at Harvard, registration open! (<https://iaifi.org/summer-workshop>)

IAIFI Friday Afternoons

- Public Colloquia (<https://iaifi.org/events>)
- Industry Lunches
- Thematic Discussion Sessions

IAIFI Computing Resources

- IAIFI hosts its own set of NVIDIA A100 nodes at the Harvard Cannon cluster, available to IAIFI Junior Investigators

IAIFI Community

- Regular events bringing together IAIFI researchers across institutions and departments and the opportunity to serve on committees

If you are interested in advancing Physics + AI through interdisciplinary research and exciting discovery opportunities, come to MIT Physics and collaborate with IAIFI!



<https://iaifi.org>



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