We are pleased to announce this year’s IAIFI Postdoctoral Fellowship competition for early-career scientists working at the intersection of Physics and AI. Applications for this third round of IAIFI Fellows are due on October 11, 2022:

https://academicjobsonline.org/ajo/jobs/21988
https://iaifi.org/fellows.html

The complete text of the ad is pasted below the signature. Please consider whether you know anyone who would be a strong candidate for this opportunity and feel free to forward this message and encourage them to apply.

Sincerely,

Jesse Thaler, IAIFI Director
Mike Williams, IAIFI Deputy Director
Lisa Barsotti, IAIFI Fellowship Committee Chair
Marisa LaFleur, IAIFI Project Manager

The Institute for Artificial Intelligence and Fundamental Interactions (IAIFI) is one of the inaugural NSF AI research institutes. The 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. AI is transforming many aspects of society, including the ways that scientists are pursuing groundbreaking discoveries.

To facilitate these advances, the IAIFI seeks a talented, promising, and diverse group of researchers at an early stage of their careers to join the IAIFI Fellowship program. The role of an IAIFI Fellow is to spark vital interdisciplinary, multi-investigator, multi-subfield collaborations across the primary IAIFI thrusts of theoretical physics, experimental physics, and foundational AI. Such collaborations have immense power to generate new ideas and approaches in both physics and AI, to facilitate abstracting physics challenges beyond their native domains to inform the development of cutting-edge AI tools, and to instill a common language across disciplines. Our program aims to appoint three new postdoctoral IAIFI Fellows each academic year, for a three-year fellowship term each.

Fellows will be selected through an annual application process. Applicants should have, or be expected to receive by the 1st of September 2023, a PhD in Physics, Statistics, Computer Science, or a related field. Complete applications must include:

- Cover letter (no more than 1 page);
- CV (1-2 pages recommended, but longer accepted);
- Statement of research interests (no more than 2 pages);
- List of publications;
- Exactly three reference letters.

The deadline to receive all the materials (including all reference letters) is the 11th of October 2022.
The Fellows will have substantial freedom in choosing their research focus; each fellow will be assigned two mentors – one from Physics and one from AI – to guide their choice of research topic and evaluate their research progress. The IAIFI is committed to building a culturally diverse intellectual community, and strongly encourages applications from members of historically marginalized groups. Any inquiries about the program should be directed to iaii-fellows@mit.edu.

The IAIFI is a joint NSF-funded venture between MIT, Harvard, Northeastern, and Tufts. Fellows are encouraged to collaborate with other IAIFI members and can have affiliations with any or all of the participating universities.