

A3D3 Website

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Ben Carlson
Westmont College

Menglu Zhang
University of Washington



Website: launched

<https://a3d3.ai/index.html>

Thanks to Menglu Zhang and House of Giants for getting this launched



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Accelerated AI Algorithms for Data-Driven Discovery

The National Science Foundation (NSF), under the Harnessing the Data Revolution (HDR) program, is providing funding to establish the Accelerated AI Algorithms for Data-Driven Discovery (A3D3) Institute, a multi-disciplinary and geographically distributed entity with the primary mission to lead a paradigm shift in the application of real-time artificial intelligence (AI) at scale to advance scientific knowledge and accelerate discovery.

[Learn more about our mission](#)

A few items still in progress...

To do

Replace generic images with key image from paper, and short sentence

Publications



Publications | Papers

Progress towards an improved particle flow algorithm at CMS with machine learning, 2023, ACAT

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Papers

Semi-supervised Graph Neural Networks for Pileup Noise Removal, 2022, NeurIPS AI4Science, EPJC

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Publications | Papers

Interpretable Geometric Deep Learning via Learnable Randomness Injection, 2023, ICLR

[Read More >](#)

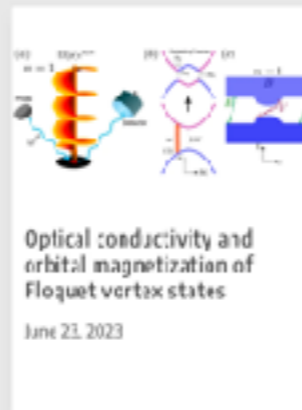
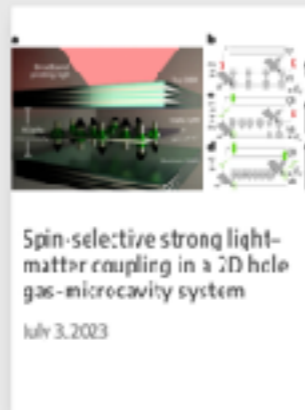
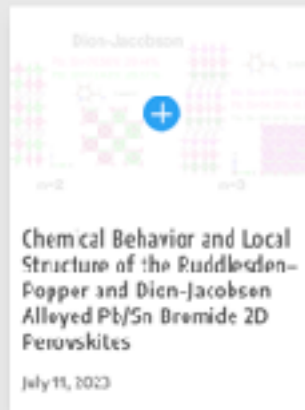
Please send me “money plot” from each paper already listed to update cover images

Planned stories

Examples of stories

Recent News, Announcements, and Opportunities

<https://imod-stc.org/>



<https://iris-hep.org/>

Computational and data science research to enable discoveries in fundamental physics

IRIS-HEP is a software institute funded by the National Science Foundation. It aims to develop the state-of-the-art software cyberinfrastructure required for the challenges of data intensive scientific research at the High Luminosity Large Hadron Collider (HL-LHC) at CERN, and other planned HEP experiments of the 2020's. These facilities are discovery machines which aim to understand the fundamental building blocks of nature and their interactions. [Full Overview](#)

News and Featured Stories:

Spotlight: IRIS-HEP Fellows
Some recent IRIS-HEP fellows on what they

IRIS-HEP: Training a new generation of computational and data science researchers

Upcoming Events:

- Sep 11-13, 2023 University of Wisconsin IRIS-HEP Institute Retreat 2023
- Sep 14, 2023 University of Wisconsin-Madison IRIS-HEP AGC Demonstration 2023 [View all past events](#)

Upcoming Topical Meetings:

- Sep 26, 2023 Building a Teaching Assistant Chatbot Using GPT-4
- Oct 26, 2023 Titled: A Service for Structured Data Access [View all | index \(recordings\)](#)

Related projects:

- ATLAS · CMS · LHCb · USATLAS · U.S. ATLAS Operations Program · USCMS

Can publish in other venues, and also have a blog post template

Upcoming stories:

- HDR ecosystem (Denver, Oct. 15-18, person **TBD**)
- Fast ML workshop story: written Patrick McCormack (to post on blog)