



U.S. DEPARTMENT  
of **ENERGY**

# TREASURE project

Weekly meetings

October 14, 2026



@BrookhavenLab

# HEP AI/ML Meetings

## ATLAS software and computing week last week

- [ATLAS Software & Computing Week #85: R2R4 \(5-9 October 2026\): Overview · Indico](#)
- Plenty of AI projects (more on Haider's slides) and ideas

## Inter-Experimental LHC Machine Learning Workshop (CERN)

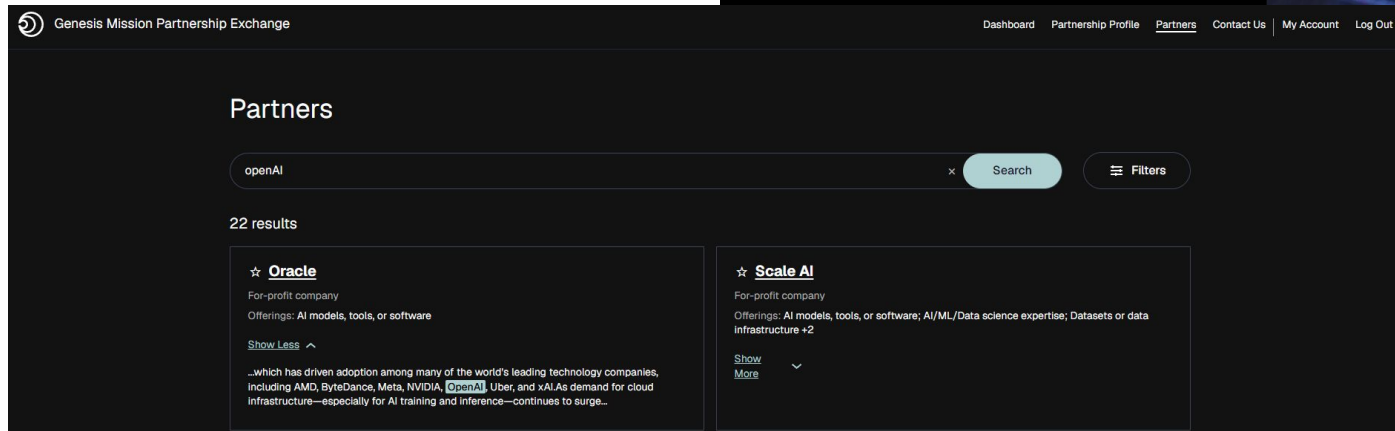
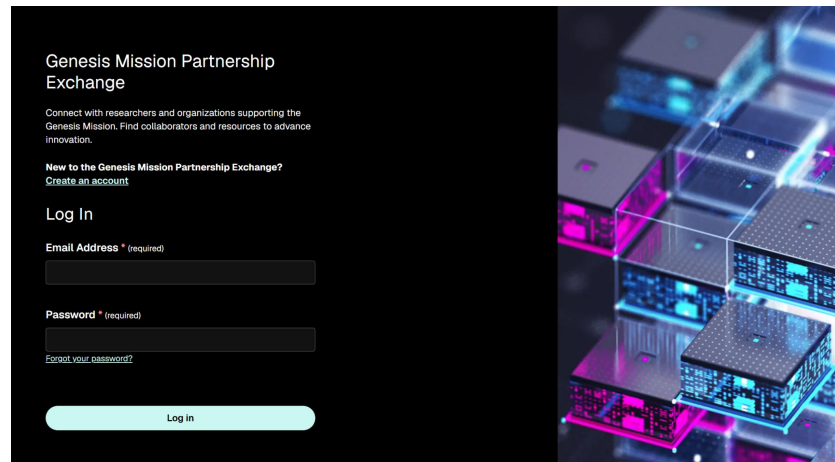
- [8th Inter-Experimental LHC Machine Learning Workshop \(9-13 November 2026\): Overview · Indico](#)
- Call for abstracts ends tomorrow! Would be great if people could present/attend

# Genesis Mission Partnership Exchange

New GENESIS link to **request computing resources**:

[Log in | Genesis Mission Partnership Exchange](#)

- Followed up after last week's discussion
- The website is more than a “request resources” link and more of an AI-powered platform for Genesis activities
- Users (organizations, companies, researchers) can “offer” skills, data, resources, facilities, etc
- There seems to be a slot for grants and funding opportunities



# Genesis Mission Partnership Exchange

## Gabriele D'Amen Dashboard

Suggested Matches 0 Favorites 0 Connection Requests 0

### Suggested Matches

Keyword Matches

✓ Smart Matches (Beta)

Describe what you're looking for in a partner. Include details about your project idea, the capabilities you need, and the type of organization you'd like to work with.

#### Add Summary

##### What I'm Seeking:

Describe what you're looking for in a partner...

Maximum 1000 characters. 1000 remaining.

Search Partners

Given enough info (datasets, skillset, etc) the system should be able to connect researchers and companies to the needed grants and resources

OR you can look for partners yourself



Genesis Mission Partnership Exchange

Dashboard Partnership Profile **Partners** Contact Us My Account Log Out

## Partners

openAI

Search

Filters

22 results

#### ☆ **Oracle**

For-profit company

Offerings: AI models, tools, or software

Show Less

...which has driven adoption among many of the world's leading technology companies, including AMD, ByteDance, Meta, NVIDIA, **OpenAI**, Uber, and xAIs demand for cloud infrastructure—especially for AI training and inference—continues to surge...

#### ☆ **Scale AI**

For-profit company

Offerings: AI models, tools, or software; AI/ML/Data science expertise; Datasets or data infrastructure +2

Show More

# Example: Oracle



## Oracle

☆ Add to Favorites

### Basic Information

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Institution Name  | Oracle                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Affiliation       | For-profit company                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Organization Type | Business or organization                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Organization Size | Enterprise: 5,000+ employees                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Small Business    | No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Website Address   | <a href="https://www.oracle.com">https://www.oracle.com</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Introduction      | <p><b>Oracle Corporation</b> is a global technology company known for its leadership in database software, cloud infrastructure, and enterprise applications. Founded in 1977 and headquartered in Austin, Texas, Oracle helps organizations store, manage, and analyze data at massive scale.</p> <p>Today, Oracle has evolved into a major cloud provider with <b>Oracle Cloud Infrastructure (OCI)</b>—delivering high-performance computing, storage, AI, and mission-critical workloads. Oracle offers some of the <b>highest-performing cloud services at a highly competitive cost</b>, which has driven adoption among many of the world's leading technology companies, including AMD, ByteDance, Meta, NVIDIA, OpenAI, Uber, and xAI.</p> <p>As demand for cloud infrastructure—especially for AI training and inference—continues to surge beyond available supply, Oracle is rapidly expanding its global cloud footprint and investing heavily in GPU and AI infrastructure to meet this growing need.</p> <p>Oracle competes with major cloud providers with a strong focus on performance, security, and efficiency for data-intensive and AI-driven workloads.</p> |

For each partner, **resources, offerings, funding opportunities** and **partnership ideas** are (or should be) available

### Funding Opportunities & Challenges

|                                            |                                                                                                                                                                                            |
|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| National Science and Technology Challenges | <p>Securing U.S. Leadership in Data Centers</p> <p>Achieving AI-Driven Autonomous Laboratories</p> <p>AI for Scientific Reasoning</p> <p>Cybersecurity for AI-driven Science Workflows</p> |
|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Offerings & Experience

|           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Offerings | <p>AI models, tools, or software</p> <p>Oracle offers full-stack AI capabilities including secure cloud infrastructure, GPU-accelerated computing, and AI-enhanced data platforms (Autonomous Database, Lakehouse). It supports model training, deployment, and orchestration with integrated MLOps and agent frameworks. Oracle enables hybrid cloud + HPC integration, strong data governance, and classified-level security, delivering scalable, end-to-end AI solutions for enterprise and national security missions.</p> |
|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Partnership Request & Project Idea

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Partner Type Seeking | DOE National Lab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Capabilities Seeking | <p>Datasets or data infrastructure</p> <p>Oracle seeks to support projects focused on AI-driven data integration, HPC, and cloud infrastructure. This includes building large-scale AI compute environments, integrating data pipelines for AI workflows, enabling agentic AI systems, and delivering secure, governed platforms for training and deploying models to accelerate scientific discovery and national security missions.</p>                                                                                                          |
| Project Idea Summary | <p>Oracle proposes to develop a secure, AI-enabled data and compute platform that integrates HPC, cloud infrastructure, and governed datasets to accelerate scientific discovery. The focus is on scalable AI training, agentic workflows, and seamless integration with existing DOE lab systems. Oracle seeks a DOE Lab partner with domain expertise, access to mission-relevant datasets, and existing HPC environments to co-develop, validate, and operationalize AI solutions in real-world scientific and national security use cases.</p> |