AI at the U Forum

February 11, 2026

Agenda

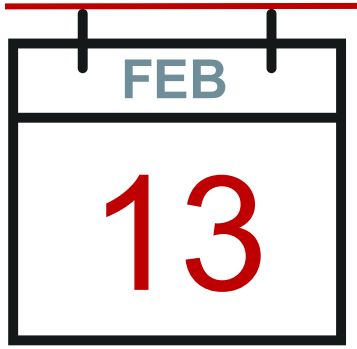
1. Introduction & Announcements
2. Tools & Technologies
3. Policy & Regulation
4. Education & Outreach
5. Question & Answer

Upcoming AI Events: Join us!

- AI Community of Practice 4th Tuesday of the month, 11 AM
- Data Drop in hours Thursdays at 11 AM
- Special Interest Groups
- Utah's Responsible AI Community Consortium Last Friday of the month, 10 AM
- CSME: AI in Education
  - February 23 Tuba Yilmaz (AI and multilingual learners)
  - March 23 Nancy Songer (AI in Stem)
  - April 27 Janis Louie (Online Teaching and AI)

AI Office Hours

- Questions or suggestions?
  - Drop into virtual office hours
  - Every other **Friday from 12 to 1PM**



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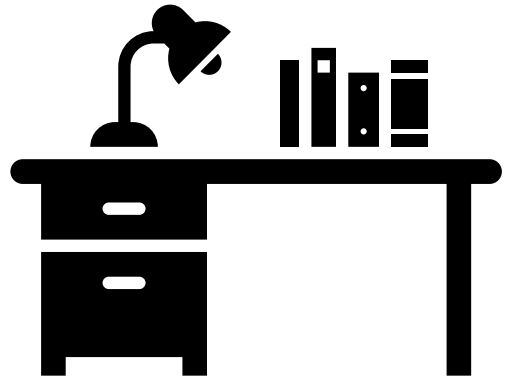


AI in Action at the University of Utah

AI is enhancing learning, improving operations, and accelerating research across campus.

Teams are using AI to work smarter, create new possibilities, and strengthen outcomes.

Click to read more.

AI in Action: Enhancing Learning in Mathematics

Associate Professor Rebecca Noonan-Heale

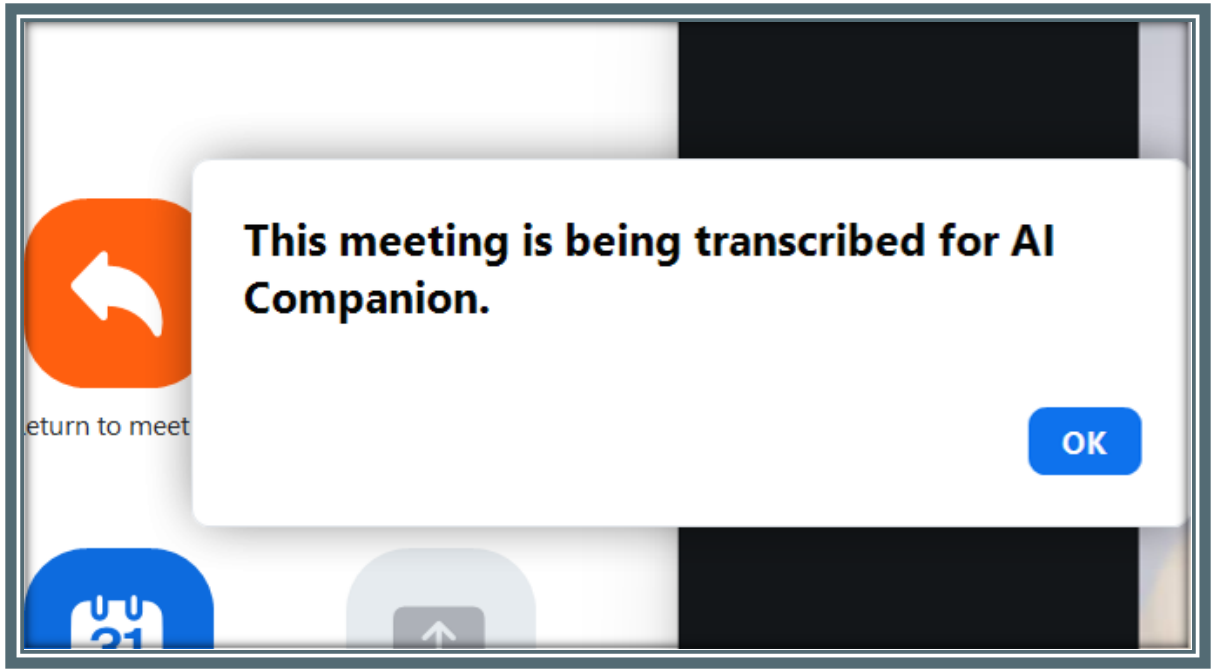
- Post-exam reflection using AI to help students understand mistakes
- Students discuss missed problems with a chatbot using guided prompts
- Two groups:
  - With UBot
  - Without UBot (peer/tutor/teacher)
- Provides personalized feedback at scale, especially in large classes
- Early results: better understanding + strong student engagement
- Model is being shared and refined across instructors
- Click to read more.

```
72
73  ### **assistant**:
74
75  I'd be happy to help you work through this rational function problem! Let's start
    by examining the function more carefully.
76
77  Given: $$f(x) = \frac{(3x - 12)(x - 6)}{(x - 6)(x - 2)}$$
78
79  Before we dive into finding specific features, let me ask you some questions to
    guide your thinking:
80
81  1. **First, let's look for common factors**: What do you notice about the factor
    $$(x - 6)$$ in both the numerator and denominator?
82
83  2. **What happens when we have a common factor that cancels?** Does this create a
    hole or a vertical asymptote?
84
85  3. **Can you simplify this function by canceling the common factor?** What would
    the simplified form look like?
86
87  Once you work through these initial questions, we can systematically find each
    feature. What's your thinking on these first steps?
88
89  Also, could you share what work you showed on the exam and where you think you
    might have lost points? This will help me focus on the specific areas where you
    need support.
```

AI in Action: Streamlining Advising with Zoom AI Companion

Ashley Glenn
Associate Director, Education
Campus Advising Solutions

- Automates advising documentation to free more time for meaningful student connection.
- Delivers consistent summaries for advisors to review and finalize in Navigate.
- Uses approved, FERPA-aligned standards for responsible AI use in virtual appointments.
- Improves operational efficiency — AI does the admin, allowing the humans to connect meaningfully.
- Click to read more.



AI in Action: Restoring Movement & Sensation

Utah NeuroRobotics Lab Team

- Utah NeuroRobotics Lab uses AI to power bionic devices that restore movement and sensation for people with neuromuscular impairments.
- The lab bridges engineering, medicine, and AI to create intuitive, life-changing assistive technologies.
- Research has direct patient impact, with testimonials and startups translating innovations into real-world use.
- AI makes prosthetics smarter and more natural, turning advanced robotics into practical, empowering tools.
- Recent breakthroughs, including work published in *Nature Communications*, highlight national visibility and scientific momentum.
- Overall: AI-driven bionics returning independence, mobility, and sensation to patients.
- Click to read more.

AI in Action: Share Your Story!

Your stories inspire others, spark new collaborations, and highlight meaningful progress.

Make yours the next AI story we celebrate!

Click to share your story.

Note: Access the form using your uMail account.

ChatGPT Edu Training Opportunities

- **ChatGPT Edu 101 Training:** Watch the foundational university-wide session co-hosted with OpenAI, covering core features, responsible use and practical ways to integrate ChatGPT Edu into teaching, research and daily workflows.
- **ChatGPT Edu 102 Training**, Friday, February 20: an intermediate, hands-on training session cohosted with OpenAI that explores practical, university-wide use cases for ChatGPT Edu. The session will cover advanced features, research and teaching workflows, data handling and privacy considerations, and best practices for effective and responsible use
- **Getting Started with ChatGPT Edu** (Fridays at 11 AM): Learn how to access ChatGPT Edu, navigate the interface, write effective prompts and explore practical use cases like creating slide decks, lesson plans and analyzing data—plus guidance on appropriate data use.
- **AI Office Hours** (every other Friday at noon): Drop in to brainstorm use cases, discuss best practices, get guidance, find collaborators and share ideas for new tools.
- **AI Tinker Lab** (Wednesdays at 1 PM): A weekly drop-in space for students to explore AI through hands-on experimentation, creativity, and community.

ChatGPT: Why use Edu?

- Secure, institutionally supported access to advanced AI
- Designed for teaching, learning, research, and administrative work
- Operates in a university-managed environment
- University data is **not** used for model training
- Safer than personal AI accounts due to campus-wide security controls

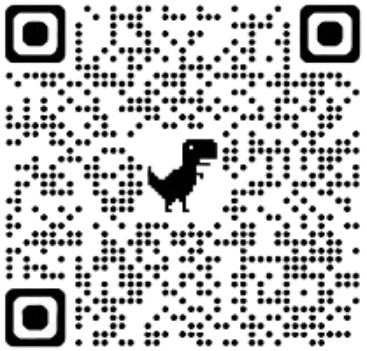
Included Features:

- Canvas
- Codex
- Web search
- Deep research
- Image generation
- Voice
- Models
  - GPT-5.2 Thinking (thinks longer for better answers)
  - GPT-5.2 Pro (research-grade intelligence)
- GPTs
- Projects

Looking Ahead

University leaders are analyzing usage data to understand community needs and guide the development of a long-term, cost-effective service model that retains as many capabilities as possible.

Setting up your ChatGPT Edu Account



- Request access via University IT's Service Catalog.
  - Within 24 hours, you will receive an invitation email from OpenAI.
  - Please check your spam/junk folder if you don't see it.
- Accept the invitation and create your account using your **uNID@umail.utah.edu** email address:
  (Example: *u1234567@umail.utah.edu)*
- Click log in and select "University of Utah ChatGPT Edu"
- Log in using University of Utah SSO:
  - Enter your uNID and password
  - Complete Duo two-factor authentication

After successful authentication, you will be redirected back to ChatGPT and can begin using the service.

Once your account is set up, access ChatGPT Edu any time at https://chatgpt.com

Policy & Regulation

Friendly Reminder When Using any AI Tool:

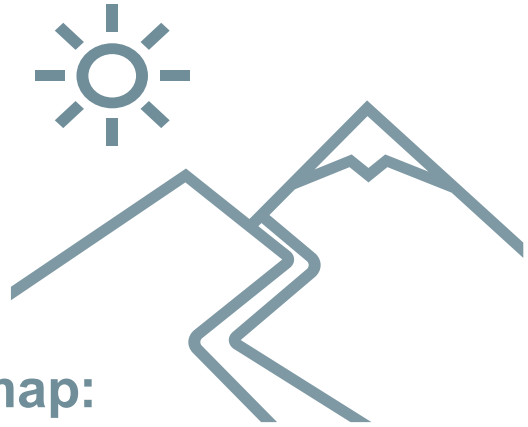
- Only input public information
- Do not enter sensitive or restricted data
  - Examples: student records, protected health information (PHI)
- Review the university's data policy & AI guidance
- Need help?
  - Visit AI office hours
  - Or complete the AI support form
- We're here to review use cases & provide support

Advancing AI Education & Outreach Across Campus

- Overview
- AI-Fluent Education
- Business AI Minor
- Professional Education
- Student Engagement
- IMPACT Health Science Research AI Mornings
- Infrastructure

Learning from the AI Education Initiative at the Eccles School of Business

Vision: build AI fluency across the student experience while keeping critical thinking, decision-making, and ethical reasoning at the center



Four-Part Roadmap:

- Faculty training & shared resources
- Ethical & responsible AI norms
- Student GenAI training
- AI-integrated advising & career services

In Motion:

- GenAI in courses (1,100+ students reached)
- Shared resource library & documented teaching practices
- Faculty workshops; industry speakers
- AI4U student club support
- AI Foundations course for freshmen
- Collaborations
- Supporting instructors with updated assessments, policies & tools

Join the Future of Business with an AI Minor

The program emphasizes ethical and responsible AI, helping you balance innovation with fairness, privacy, and accountability. By combining technical literacy with business strategy, this minor prepares you to translate AI into measurable business value across any industry.

Gain hands-on experience:

- Large Language Models
- Agentic AI and automation tools
- Analytics and data-driven decision platforms

Students complete 6 courses (16 total credits) that blend AI, analytics, and business strategy.

Required Courses (10 credits)

IS 4485 Python Programming
IS 4495 Business Strategy & AI
IS 4490 Business Process AI & NLP
IS 3540 AI Capstone

Elective Options (6 credits)

IS 4496 AI Product Management
IS 4482 Predictive Analytics & Data Mining
IS 4497 Multimodal AI & Ethics
OSC 5500 Data Visualization & Comms
IS 4487 Intro to Business Analytics

Career Advantages:

- Consulting
- Analytics and data strategy
- Product management
- Marketing
- Operations and process improvement

Who can apply?

Open to all University of Utah undergraduate students
Designed to complement any major
Available Fall 2026

For more information: Chong.oh@utah.edu

NONCREDIT CAREER DEVELOPMENT COURSES FOR WORKING PROFESSIONALS

PROFESSIONAL EDUCATION
THE UNIVERSITY OF UTAH

Instructor-led Courses:

- Introduction to AI & ChatGPT Fundamentals
- Productivity With ChatGPT
- Augmented Intelligence at Scale
- AI-Enhanced Project Management
- Excel & AI (Beginner & Intermediate)

Asynchronous Programs:

- AI Automation and Agentic AI Basics
- AI Prompting
- AI for HR Professionals
- AI for Marketing

AI at Work Micro-credential

Build practical AI skills you can use immediately

Three instructor-led courses:

- Introduction to AI & ChatGPT Fundamentals
- Productivity With ChatGPT
- Augmented Intelligence at Scale

**Entry-level program focused on strategic, effective workplace use of AI.*

proed.utah.edu

Private & Custom Training

Hold a private session of any of our existing open enrollment courses for your team:

- 10-25 learners
- Standard content and structure
- Eligible for tuition reduction

Build a fully customized training program to fit your needs:

- Flexible format and duration
- Flat-rate pricing

AI Tinker Lab

A weekly drop-in space for students to explore AI through hands-on experimentation, creativity & community. Everyone is welcome.

What to Expect

- Try AI tools in a low-pressure, judgment-free space
- Rotating themes: image generation, writing tools, automation, ethics & more
- Learn by doing with peers from across campus
- Co-led with student facilitators

Why Join?

- Build durable skills: critical thinking, creativity, adaptability
- Develop real AI literacy through shared inquiry and practice

“Learning happens in relationship. That’s the whole point.” — B. Brown

IMPACT Health Science Research AI Mornings

Location: HELIX Canyon Maple 3C115

You're invited to join IMPACT HSR AI Mornings, a weekly, inclusive gathering to connect, learn, and collaborate on health services and outcomes research, with conversations that include how AI is being used to support research, patient care, and daily work.

Ongoing IMPACT HSR AI Morning Cadence:

- Main Program: 10:00–11:00 a.m. – structured content such as work-in-progress talks, thematic discussions, and invited speakers.
- Connection Hours: 9:00–10:00 a.m. & 11:00 a.m.–12:00 p.m. – informal networking, mentoring, coffee, and collaboration.

Research Computing & Data Update

William L. Miller, Ph.D.

Senior Director for Research Computing and Data

SCI & CHPC

WLMiller@utah.edu

AI Forum, February 11, 2026

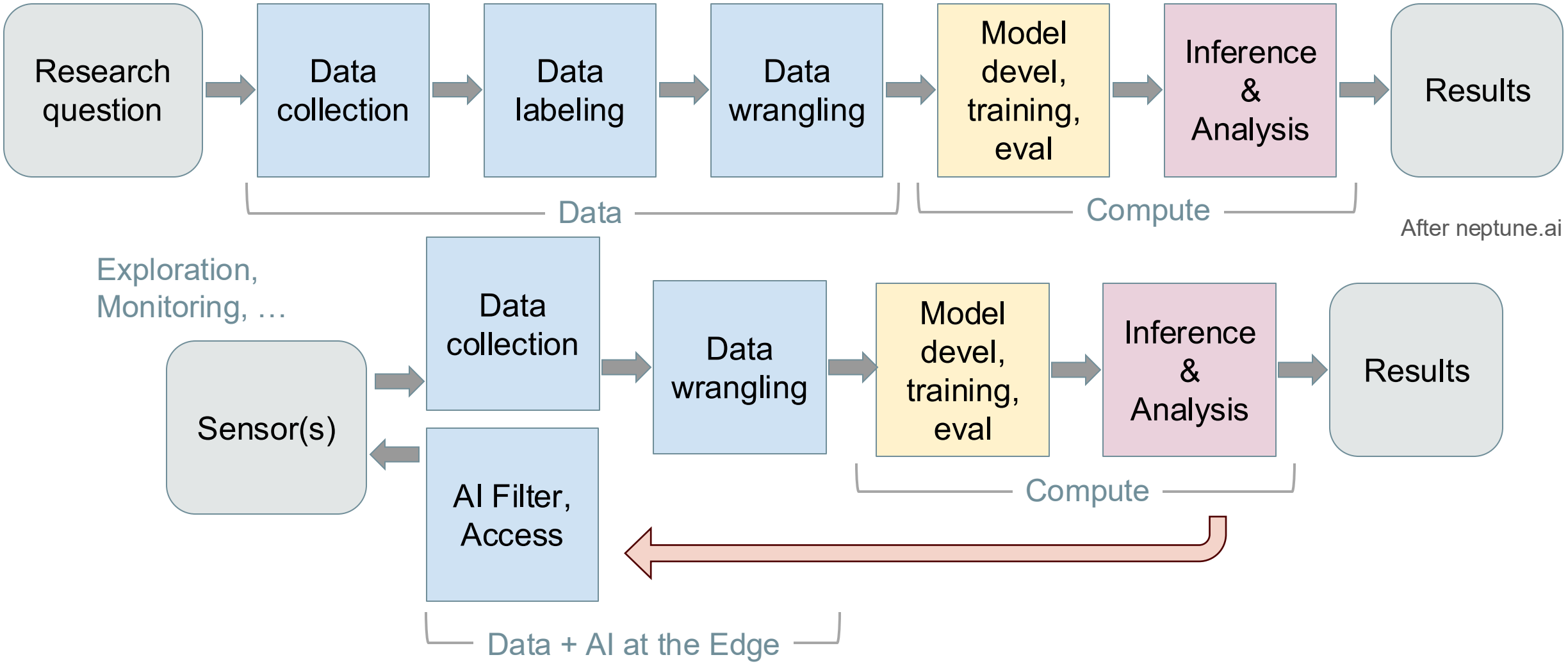
What is Research Computing and Data (RCD)?

- Research Computing
- Research Data
- Connections between these two
  - User journeys: Workflows, collaboration, applications, access, multi-system allocation…
  - Infrastructure: networking, federation, integration, middleware automation, security, authentication, …

➢ *Required for* AI and for collaborative science at scale and across distance.

➢ *Enabled by* broad-based partnering and collaboration across campus and beyond.

[AI] project lifecycles … and RCD infrastructure needs



The NAIRR Pilot aims to connect U.S. researchers and educators to computational, data, and training resources needed to advance AI research and research that employs AI. Federal agencies are collaborating with government-supported and non-governmental partners to implement the Pilot as a preparatory step toward an eventual full NAIRR implementation.

Current Opportunities

EDUCATIONAL TOOLS

Request access to educational platforms (such as computational notebooks).

Apply Now

COMPUTING POWER

Access high-performance computing platforms tailored for AI research.

Apply Now

DATA, MODELS, AND MORE

Browse curated datasets, pre-trained models, and additional tools for training and testing your AI systems.

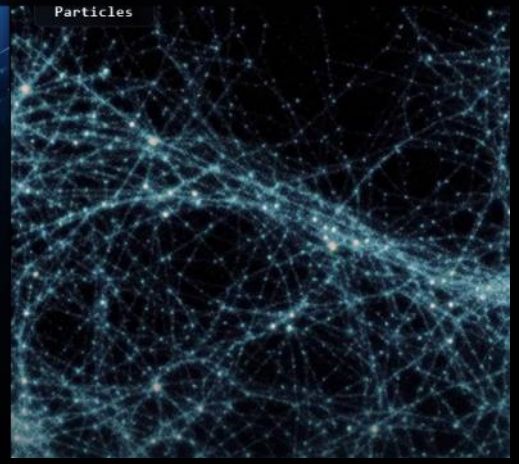
View Resources

Genesis Mission

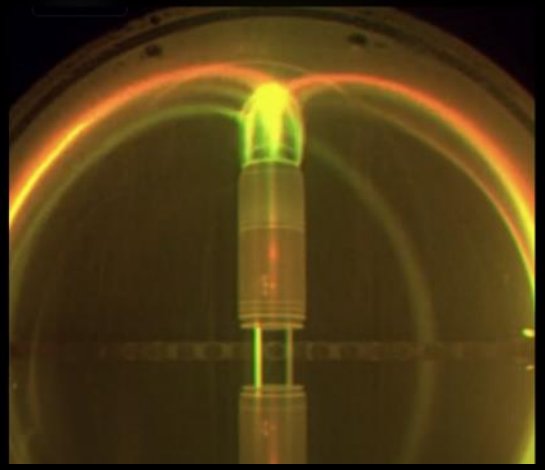
A National Mission to Accelerate Science Through Artificial Intelligence

Genesis Mission will develop an integrated platform that connects the world's best supercomputers, experimental facilities, AI systems, and unique datasets across every major scientific domain to double the productivity and impact of American research and innovation within a decade.

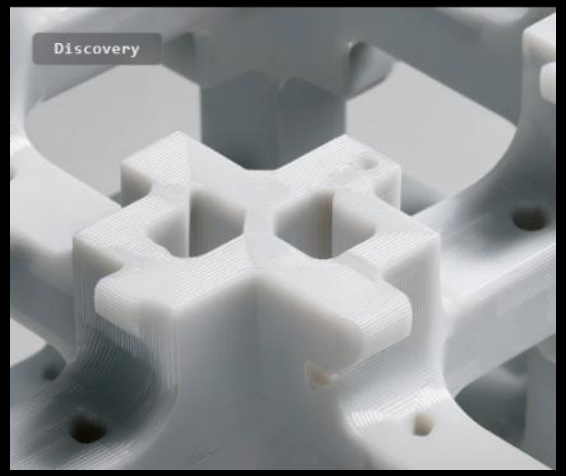
Discovery Science



Energy



National Security

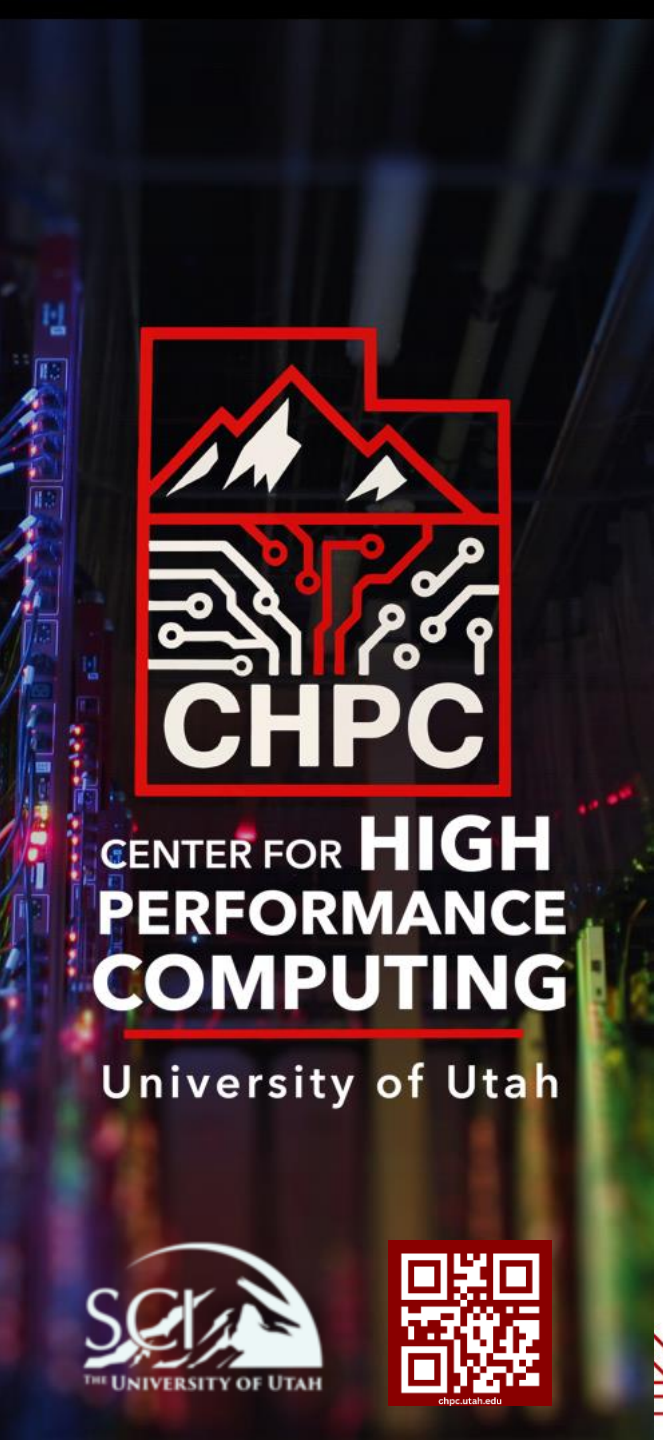


"Our goal is ensuring the state is awash in computing power by building a robust and scalable AI ecosystem that benefits our entire higher education system, powers research to find new healthcare cures, and ignites Utah's entrepreneurial spirit."

Pres. Taylor Randall, October 2025
HPE-Utah press release

Driving the AI evolution with RCD infrastructure…

- Center for High Performance Computing (CHPC)
  - Expanding hybrid GPU/CPU environments and data<>compute capabilities.
  - Regulated Environment (RE) supporting research with sensitive data
    - Nov 2025: Provisional system (Citadel): NIST 800-171 Rev 2 environment.
    - Jan 2026: Base RE scalable system (NIST 800-171 r3) rapid build initiated.
    - Protected Environment (HIPAA) now has advanced GPUs.
    - VPR-supported Secure Research Environment – cloud-based pilot under development.
  - Innovations including refreshed User Portal, core network upgrades, planned expansion of shared- compute and platform services, and more.
- Powering One-U Responsible AI
  - May 2025: 10 NVIDIA GPU nodes, each with 8xH200, 2 TB RAM, 96 CPUs/node, plus 3PiB VAST storage.
- U-State-HPE Sovereign Partnership – AI Infrastructure
  - September 2025: Agreement signed for a $50M collocated Nvidia-based compute resource. Deployment anticipated in late Spring…



Mission

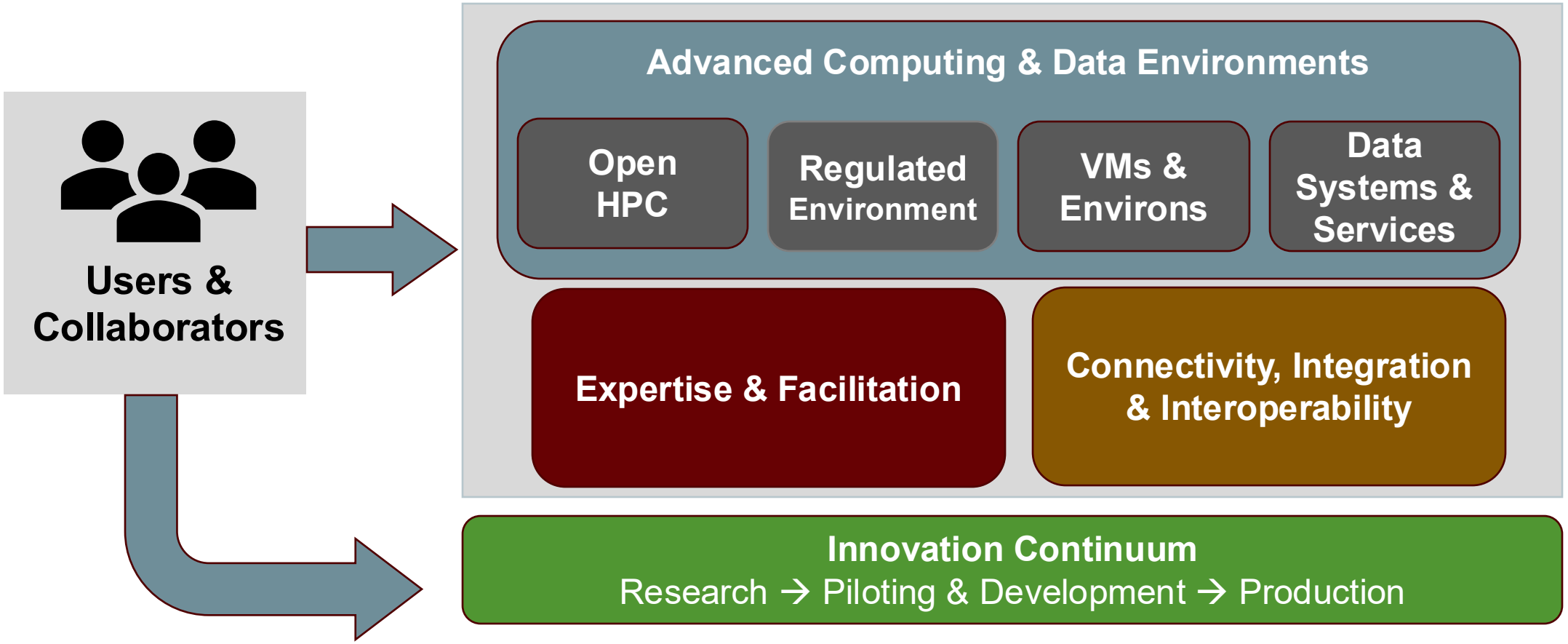
Deliver advanced computing and data systems and services to accelerate discovery and innovation across the UofU and state, as a leading contributor to the regional and national research fabric.

Resources and services

- ***Computational resources*** – High performance and compliant computing systems
- ***Data and networking*** – storage, archiving, scratch, home directory, collaboration spaces, data serving, high-speed data transfer
- ***Environments*** – Windows servers, Linux clusters, Virtual Machines (VMs), and regulated/protected environments (enclaves for sensitive data, compute, storage, …)
- ***User Support*** – onboarding, consultation and facilitation, training, software environment building, allocations, and collaboration.
- ***Workforce development*** through extensive student employment.
- ***Partnering*** - in U of U, regional and national initiatives and collaborations.

Evolution of CHPC + SCI in the RCD Ecosystem

Resources and services at scale to enable computational, data, and AI research lifecycles



One-U RAI Cyberinfrastructure

Investing $15M spread over three $5M installments

FIRST $5M UPGRADE

CHPC

- **6X** high-end GPUs
- **4X** mid-range GPUs
- **+3PB** storage

SCI

- **6X** GPU compute
- **4X** storage
- **20X** networking speed

FUTURE UPGRADES

2–4X capability increase every two years as new generations of GPUs become available

U of U-State-HPE partnership

Catalyzing Utah's AI Innovation Ecosystem

- $50 million, 5-year shared investment; first-of-its-kind HPE-NVIDIA-University partnership.
- Advances Utah as a national AI research and innovation leader.
- State-of-the-art compute resource for challenging AI and computational projects for researchers at the U and across the state.
- Student training, workforce development, and entrepreneurship.
- Deployed at commercial data center connected via high-speed links.
- U's CHPC will manage operations and user access.

Details

- 33 Nvidia HGX nodes, each comprising 8 H200 SXM5 GPUs each with 141 GB memory, 112 CPU cores, and 2TB RAM (Totaling 264 GPUs)
- 96 cores of Intel Xeon Platinum 8568Y+ CPUs (3696 total), 66 TB RAM and 1 PB storage
- Optimal GPU to GPU connectivity (900 GB/s bidirectional in each host, 3.2 Tbit/s internal non-blocking Infiniband connectivity - 8 400Gbit/s links, one per each GPU.) for efficient multi-node projects.

Envisioning a Utah Research Computing and Data Ecosystem

- **Goal:** A coordinated ecosystem of RCD capabilities and services that advances diverse research and innovation at all scales across the U and the State.
- **Elements:**
  - **Open** research computing and data capabilities
  - **Regulated** research computing and data capabilities
  - **Operational/production** computing and data for clinical and business services
  - **EHR/medical** data systems and services
  - **A federated data plane** and **authentication fabric**
  - **Translational innovation** to support the research → R&D →production pipeline.

Take-homes

- **Many exciting RCD + AI developments for the U of U**
  - Anticipate a giant increase in AI-focused compute this spring.
  - Regulated Computing Environment is moving forward.
- **Enhancing and accelerating the innovation-to-production cycle is a major goal**
- **Collaboration is key!**

Thanks!

Bill Miller

WLMiller@utah.edu

Sign up for email updates

Q & A

Need more support?

AISupport@Utah.edu

Thank you!

ai.utah.edu