

**AIVO**

AI Institutes  
Virtual Organization

# List of AI Institutes



**SAIL**

Summit for AI  
Institutes Leadership

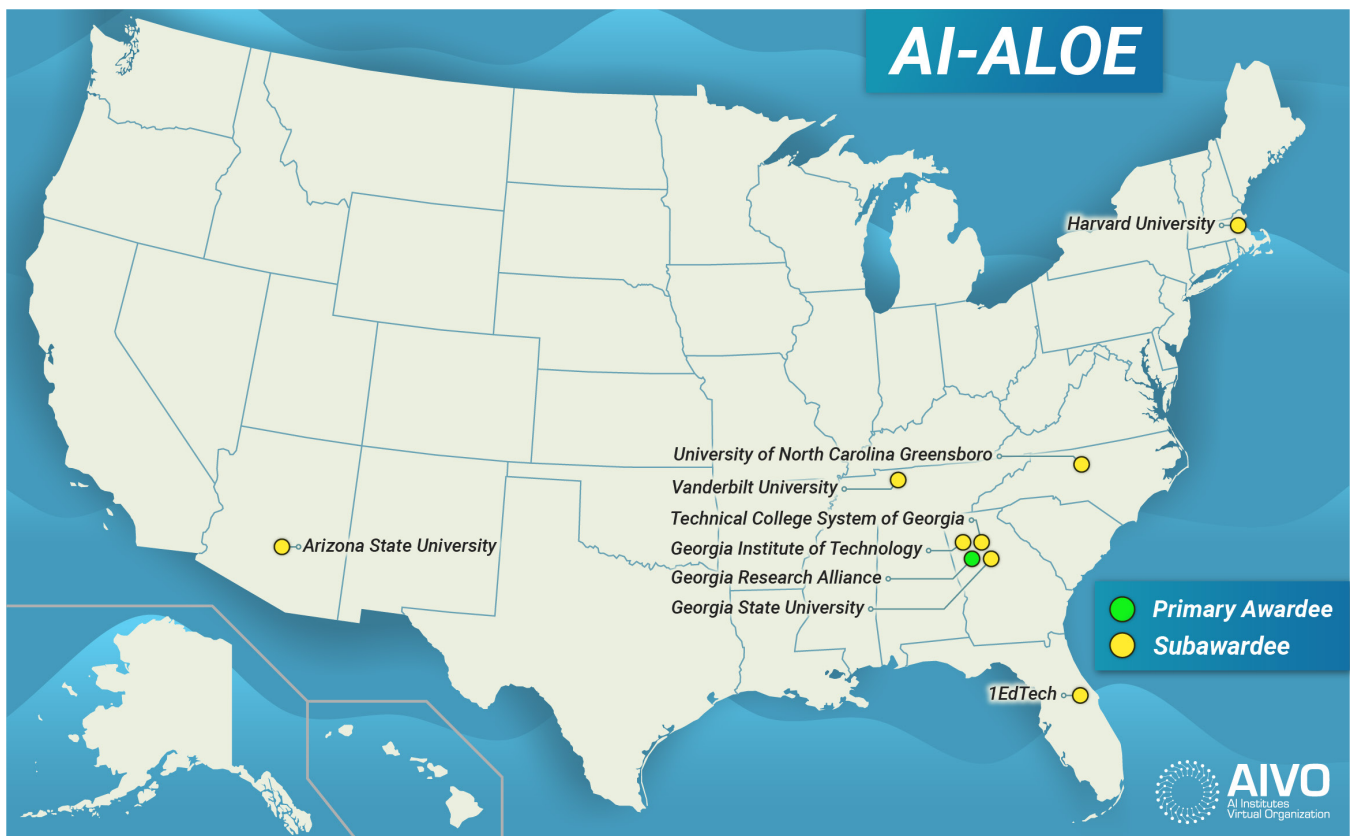
# AI-ALOE

[aialoe.org](http://aialoe.org)



The AI Institute for Adult Learning and Online Education (AI-ALOE) aims to lead the development of novel AI theories and techniques for enhancing and transforming online learning for adult learners in effectiveness, efficiency, access, scale, and personalization.

- Location:** Atlanta, Georgia
- Contact:** [aialoe.org/contact/](http://aialoe.org/contact/)
- Funding:** Funding provided by National Science Foundation (NSF)
- Primary Awardee:** Georgia Research Alliance
- Subawardees:** Arizona State University • Vanderbilt University • Harvard University • Georgia Institute of Technology • Georgia State University • University of North Carolina at Greensboro • Technical College System of Georgia • 1EdTech



# AI2ES

ai2es.org



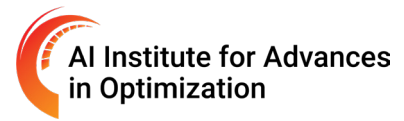
The NSF AI Institute for Research on Trustworthy AI in Weather, Climate, and Coastal Oceanography, also known as AI Institute for Environmental Sciences (AI2ES), is a convergent center that will create trustworthy AI for environmental science, revolutionize prediction and understanding of high-impact weather and ocean hazards, and benefit society by protecting lives and property.

- Location:** Norman, OK
- Contact:** [ai2es.org/opportunities/contact-us/](https://ai2es.org/opportunities/contact-us/)
- Funding:** Funding provided by National Science Foundation (NSF)
- Primary Awardee:** University of Oklahoma
- Subawardees:** Colorado State University • University at Albany • University of Washington • North Carolina State University • Texas A&M University-Corpus Christi • Del Mar College Corpus Christi



# AI4OPT

ai4opt.org



Artificial Intelligence (AI) Research Institute for Advances in Optimization, or AI4OPT, aims at delivering a paradigm shift in automated decision making at massive scales by fusing AI and Mathematical Optimization (MO), to achieve breakthroughs that neither field can achieve independently. The Institute is driven by societal challenges in energy, logistics and supply chains, resilience and sustainability, and circuit design and control. To address the widening gap in job opportunities, the Institute delivers an innovative longitudinal education and workforce development program.

**Location:** Atlanta, GA

**Contact:** ai4opt.org/contact

**Funding:** Funding provided by National Science Foundation (NSF)

**Primary Awardee:** Georgia Institute of Technology (Georgia Tech)

**Subawardees:** Georgia Institute of Technology • University of California Berkeley • Clark Atlanta University • Spelman College • University of Southern California • University of Texas Arlington





# AgAID

agaid.org



AgAID

AI Institute for Transforming  
Workforce & Decision Support

The AgAID Institute's mission is to build and foster partnerships between AI and Ag communities and create a transdisciplinary ecosystem for technology innovation and knowledge transfer. The institute envisions a long-term symbiotic partnership between AI, Ag, and Human systems that will produce sustained agricultural productivity to meet future food demands.

**Location:** Pullman, WA

**Contact:** agaid.inquiries@wsu.edu

**Funding:** Funding provided by USDA-NIFA

**Primary Awardee:** Washington State University

**Subawardees:** Oregon State University • University of California Merced • University of Virginia • Carnegie Mellon University • Heritage University • Wenatchee Valley College • Kansas State University • IBM Research • Innov8.ag



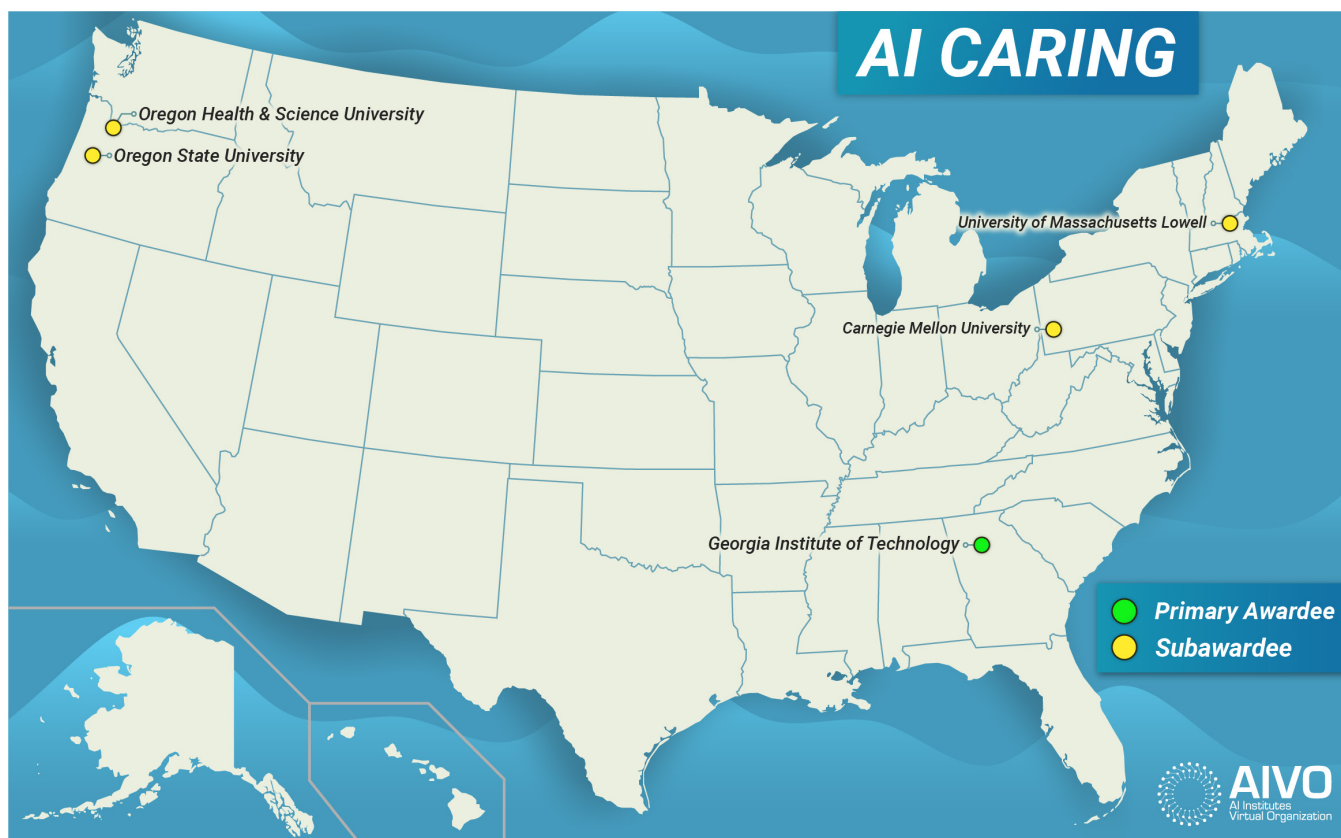
# AI CARING

ai-caring.org



The AI Institute for Collaborative Assistance and Responsive Interaction for Networked Groups (AI-CARING) mission is to develop the next generation of personalized collaborative AI systems that improve the quality of life and independence of aging adults living at home. The Institute seeks to serve older adults and their network of care partners – family, friends, community members, and professional healthcare and social service providers.

- Location:** Atlanta, GA
- Contact:** ai-caring.org
- Funding:** Funding provided by National Science Foundation (NSF)
- Primary Awardee:** Georgia Institute of Technology (Georgia Tech)
- Subawardees:** Carnegie Mellon University • University of Massachusetts Lowell • Oregon State University • Oregon Health and Science University



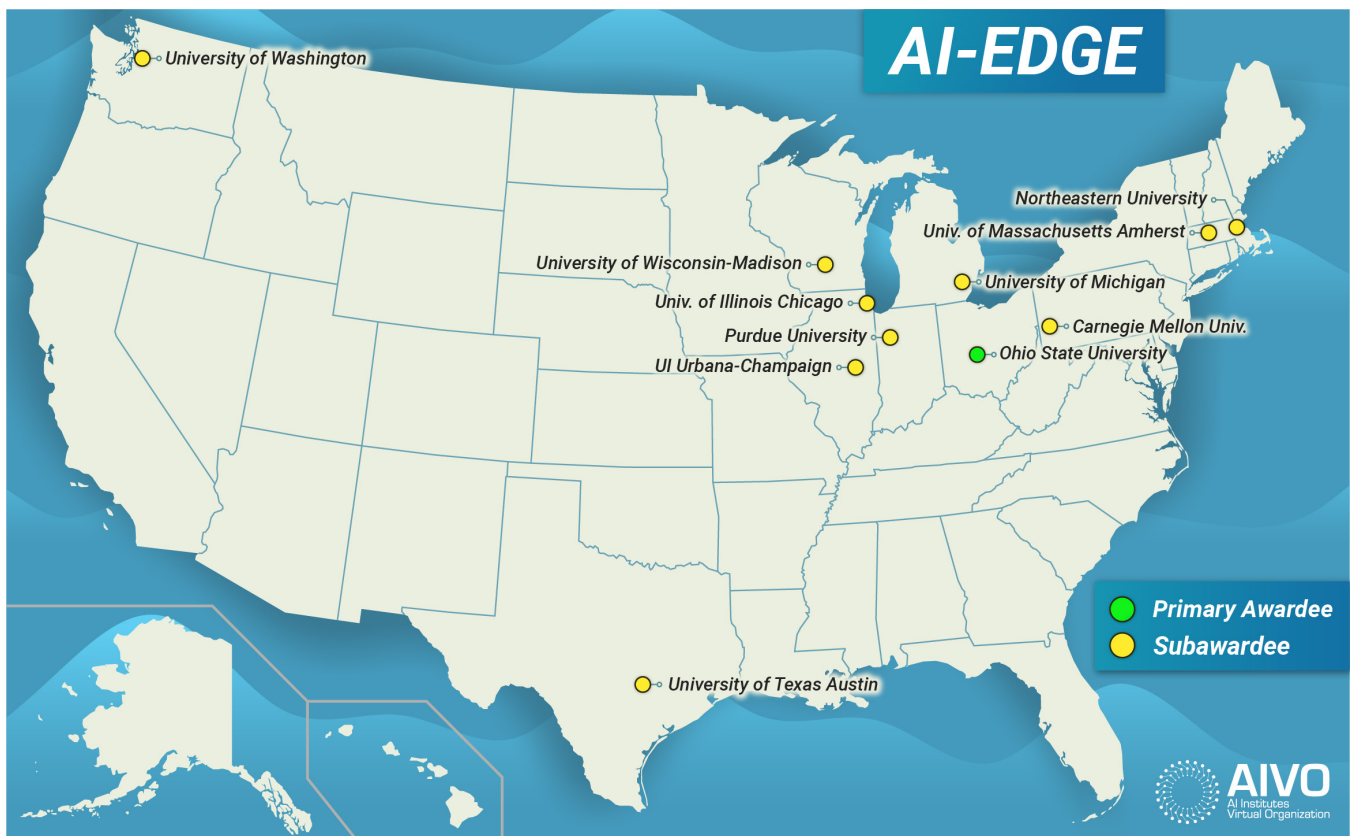
# AI-EDGE

aiedge.osu.edu



The AI-EDGE institute will exploit the synergies between networking and AI to design the next generation of edge networks (6G and beyond) that are highly efficient, reliable, robust, and secure. A new distributed intelligence plane will be developed to ensure that these networks are self-healing, adaptive, and self-optimized.

- Location:** Columbus, OH
- Contact:** Dr. Ness Shroff, shroff.11@osu.edu
- Funding:** Funding provided by National Science Foundation (NSF)
- Primary Awardee:** Ohio State University
- Subawardees:** University of Washington • University of Illinois Urbana-Champaign • Purdue University • University of Texas at Austin • University of Wisconsin-Madison • University of Michigan • Northeastern University • University of Massachusetts Amherst • Carnegie Mellon University • University of Illinois Chicago



# AIFARMS

aifarms.illinois.edu



## AIFARMS

Artificial Intelligence for Future Agricultural Resilience, Management, and Sustainability

The Artificial Intelligence for Future Agricultural Resilience, Management, and Sustainability Institute (AIFARMS) will serve as a nexus for multidisciplinary research teams that advance foundational AI and use these advances to address important challenges facing world agriculture.

**Location:** Champaign, IL

**Contact:** wedow2@illinois.edu

**Funding:** Funding provided by USDA-NIFA

**Primary Awardee:** University of Illinois

**Subawardees:** University of Chicago • Michigan State University • Tuskegee University • Argonne National Laboratory • Illinois Center for Digital Agriculture • Donald Danforth Plant Science Center • USDA ARS (Agricultural Research Service)



# AIFS

aifs.ucdavis.edu



The AI Institute for Next Generation Food Systems, or AIFS, aims to meet growing demands in our food supply by increasing efficiencies using AI and bioinformatics spanning the entire system – from growing crops through consumption.

- Location:** Davis, CA
- Contact:** aifs@ucdavis.edu | (530) 754-3075
- Funding:** Funding provided by USDA-NIFA
- Primary Awardee:** University of California Davis
- Subawardees:** University of California Berkeley • Cornell University • University of Illinois at Urbana Champaign • USDA ARS (Agricultural Research Service) • University of California Agricultural and Natural Resources





# AIIRA

[aiira.iastate.edu](http://aiira.iastate.edu)



**AIIRA**  
AI Institute for Resilient Agriculture

The AI Institute for Resilient Agriculture (AIIRA) is committed to speeding the progress, productivity and sustainability of today’s agriculture by making the power of artificial intelligence available to all. AIIRA is bringing together scientists and farmers, industry and government to adapt these technologies and encourage their adoption to more effectively transform agriculture to meet the needs of our growing and increasingly climate-challenged planet.

- Location:** Ames, IA
- Contact:** [aiira.iastate.edu/contact-us/](http://aiira.iastate.edu/contact-us/)
- Funding:** Funding provided by USDA-NIFA
- Primary Awardee:** Iowa State University
- Subawardees:** Carnegie Mellon University • University of Arizona • University of Missouri • George Mason University • University of Nebraska Lincoln • New York University • Iowa Soybean Association





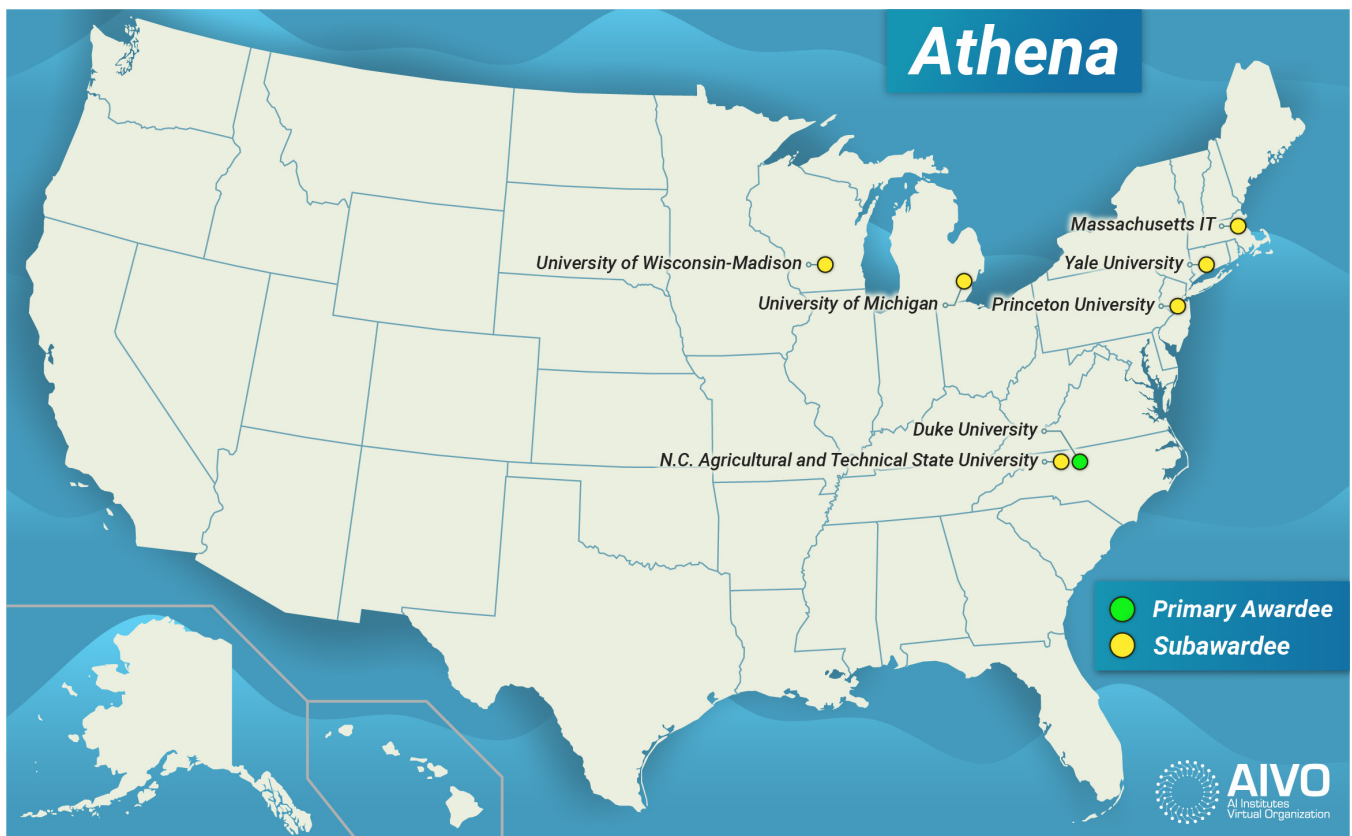
# Athena

athena.duke.edu



The Athena institute focuses on developing edge computing with groundbreaking AI functionality that leverages next-generation communications networks to provide previously impossible services at reasonable cost. Bringing together a multidisciplinary team of scientists, engineers, statisticians, legal scholars, and psychologists from seven universities, Athena's goal is to transform the design, operation, and services of future mobile devices and networked systems.

- Location:** Raleigh, NC
- Contact:** info-athena@duke.edu
- Funding:** Funding provided by National Science Foundation (NSF)
- Primary Awardee:** Duke University
- Subawardees:** Massachusetts Institute of Technology • North Carolina Agricultural and Technical State University • Princeton University • University of Michigan • University of Wisconsin-Madison • Yale University



# Dynamics AI

dynamicsai.org

AI INSTITUTE IN DYNAMIC SYSTEMS

The AI Institute in Dynamic Systems will transform research and education in fundamental artificial intelligence (AI) and machine learning (ML) theory, algorithms, and applications specifically for safe and certifiable real-time learning and control of complex dynamic systems.

**Location:** Seattle, WA

**Funding:** Funding provided by National Science Foundation (NSF)

**Primary Awardee:** University of Washington

**Subawardees:** University of Washington • Columbia University • Harvard University •  
University of Hawaii • Montana State University • University of Nevada Reno •  
University of Alaska Anchorage • Boise State University •  
Portland State University



# ENGAGE AI

[sites.google.com/ncsu.edu/ai-engage](https://sites.google.com/ncsu.edu/ai-engage)

AI Institute for Engaged Learning

The AI Institute for Engaged Learning (ENGAGE AI) is guided by a vision that supports and extends the capabilities of teachers and students with artificial intelligence (AI). Their mission is to produce transformative advances in STEM teaching and learning with AI-driven narrative-centered learning environments.

- Location:** Raleigh, NC
- Contact:** <https://sites.google.com/ncsu.edu/ai-engage/get-involved/contact-us>
- Funding:** Funding provided by National Science Foundation (NSF)
- Primary Awardee:** North Carolina State University
- Subawardees:** University of North Carolina at Chapel Hill • Indiana University • Vanderbilt University • Digital Promise



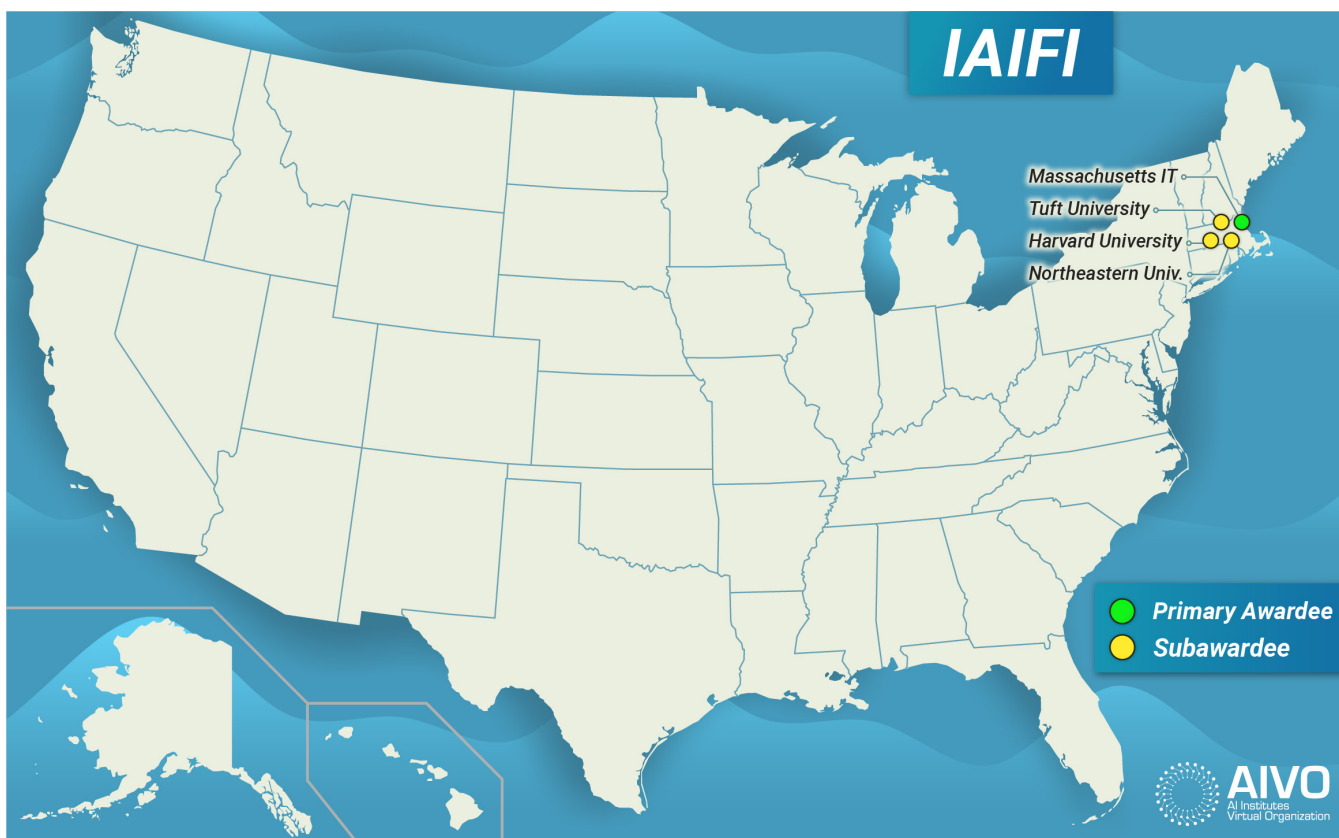
# IAIFI

iaifi.org



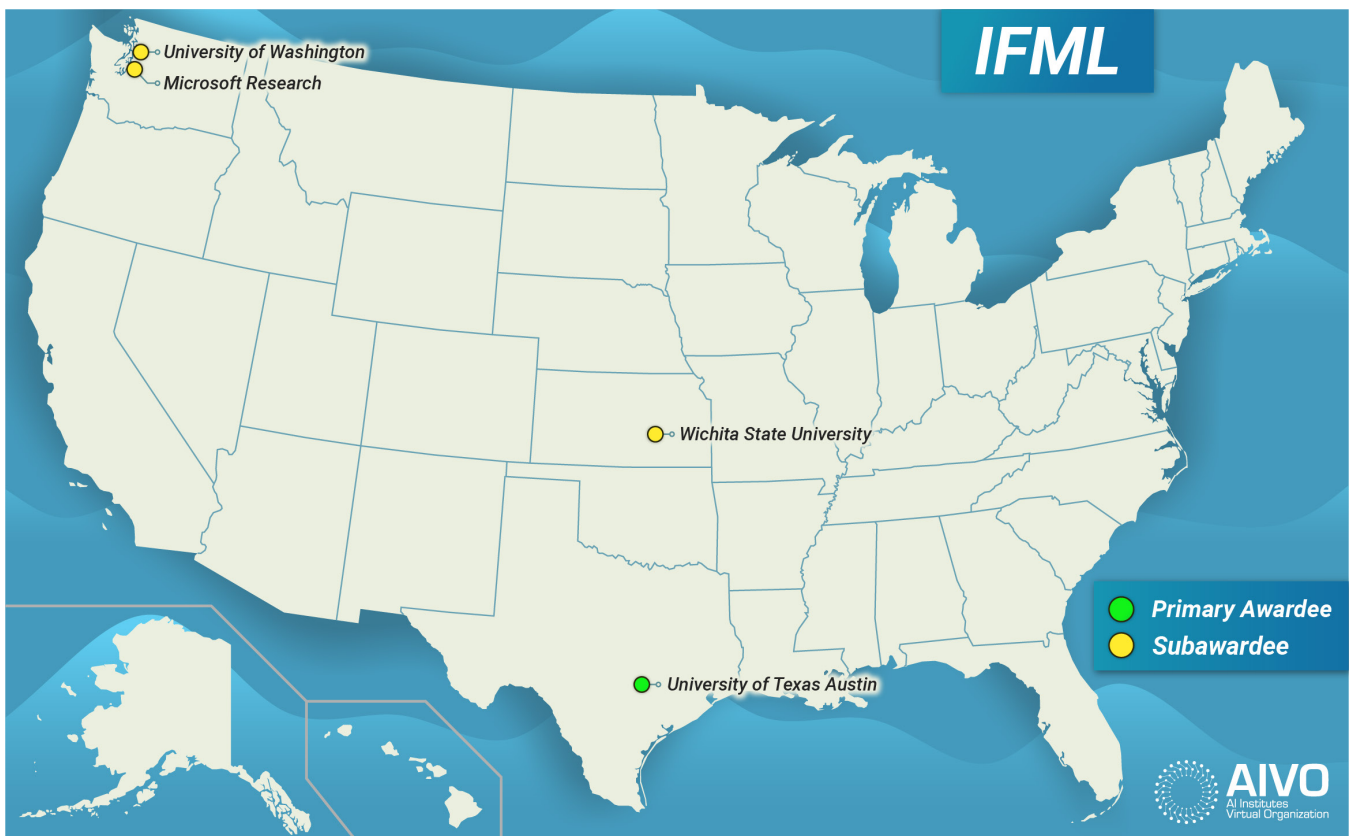
The AI Institute for Artificial Intelligence and Fundamental Interactions (IAIFI) is enabling physics discoveries and advancing foundational AI through the development of novel AI approaches that incorporate first principles and best practices from fundamental physics.

- Location:** Cambridge, MA
- Contact:** iaifi@mit.edu
- Funding:** Funding provided by National Science Foundation (NSF)
- Primary Awardee:** Massachusetts Institute of Technology
- Subawardees:** Harvard University • Northeastern University • Tufts University



The Institute for Foundation of Machine Learning, or IFML, develops the key foundational tools for the next decade of AI innovation. Our researchers create new algorithms that can help machines learn on the fly, change their expectations as they encounter people and objects in real life, and even bounce back from deliberate attempts by adversaries to manipulate datasets.

- Location:** Austin, TX
- Contact:** ifml.institute/contact
- Funding:** Funding provided by National Science Foundation (NSF)
- Primary Awardee:** University of Texas Austin
- Subawardees:** University of Washington • Wichita State University • Microsoft Research





# ICICLE

icicle.osu.edu



Led by The Ohio State University, AI institute for Intelligent Cyberinfrastructure with Computational Learning in the Environment (ICICLE) will build the next generation of Cyberinfrastructure to render Artificial Intelligence (AI) more accessible to everyone and drive its further democratization in the larger society.

- Location:** Columbus, OH
- Contact:** Director Dhabaleswar K. (DK) Panda, panda.2@osu.edu
- Funding:** Funding provided by National Science Foundation (NSF)
- Primary Awardee:** Ohio State University
- Subawardees:** Case Western Reserve University • IC-Foods • Indiana University • Iowa State University • Ohio Supercomputer Center • Rensselaer Polytechnic Institute • San Diego Supercomputer Center • Texas Advanced Computing Center • University of California Davis • University of California San Diego • University of Delaware • University of Utah • University of Wisconsin





# iSAT



[colorado.edu/research/ai-institute](https://colorado.edu/research/ai-institute)

The AI Institute for Student-AI Teaming (iSAT) is an interdisciplinary research community dedicated to transforming classrooms into more effective, engaging and equitable learning environments. The institute teams with diverse groups of students and teachers to develop the next-generation of collaborative learning environments.

- Location:** Boulder, CO
- Contact:** [info.ai-institute@colorado.edu](mailto:info.ai-institute@colorado.edu)
- Funding:** Funding provided by National Science Foundation (NSF)
- Primary Awardee:** University of Colorado Boulder
- Subawardees:** Colorado State University • University of California Santa Cruz • University of California Berkeley • Brandeis University • Worcester Polytechnic Institute • Georgia Institute of Technology • University of Illinois at Urbana Champaign • University of Wisconsin-Madison



# MMLI

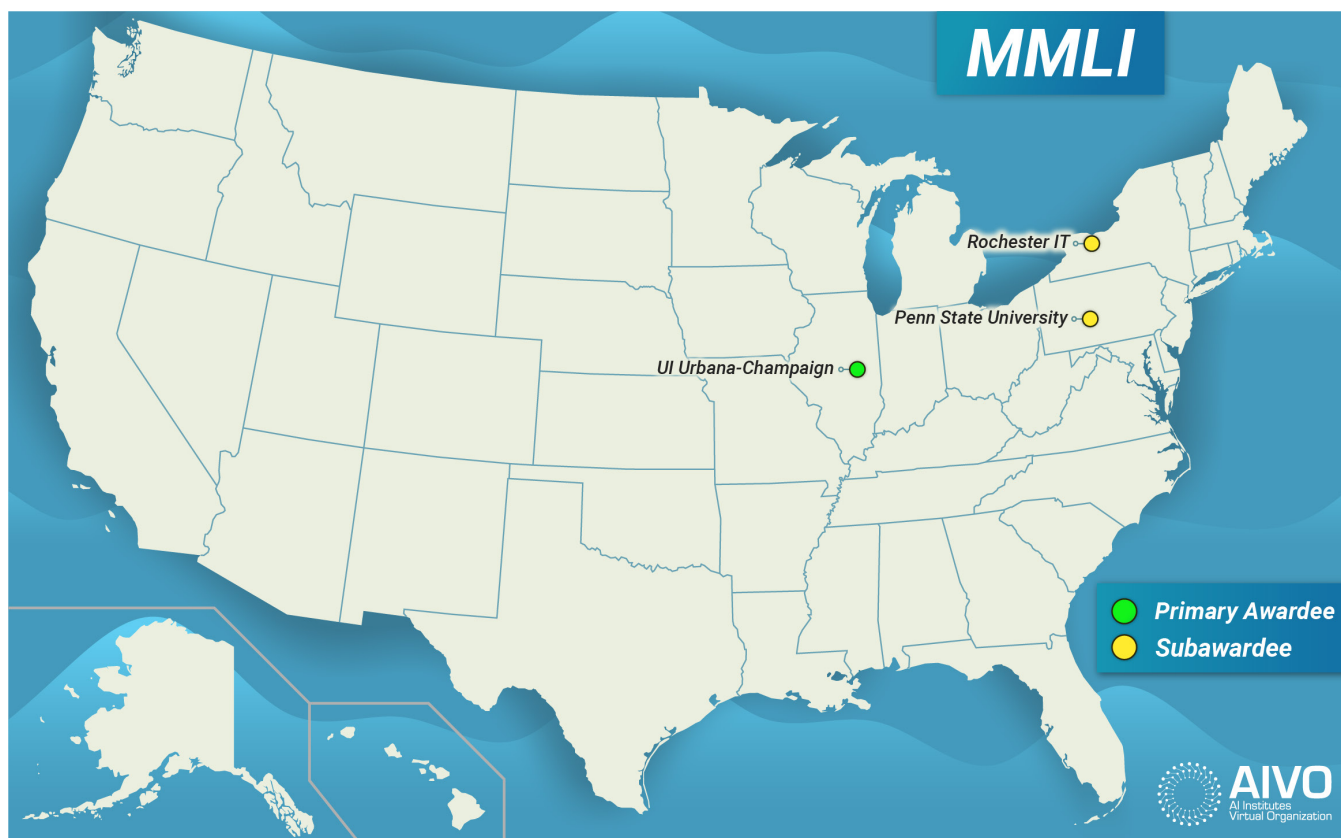
moleculemaker.org



MOLECULE  
MAKER LAB  
INSTITUTE

The Molecule Maker Lab Institute (MMLI) is an interdisciplinary initiative with leaders in AI and organic synthesis intensively collaborating to create frontier AI tools, dynamic open access databases, and fast and broadly accessible small molecule manufacturing and discovery platforms.

- Location:** Champaign, IL
- Contact:** [moleculemaker.org/contact-us/](http://moleculemaker.org/contact-us/)
- Funding:** Funding provided by National Science Foundation (NSF)
- Primary Awardee:** University of Illinois at Urbana-Champaign
- Subawardees:** Pennsylvania State University • Rochester Institute of Technology



# TILOS

tilos.ai



The TILOS (Institute for Learning-Enabled Optimization at Scale) mission is to make impossible optimizations possible, at scale and in practice. Our research will pioneer learning-enabled optimizations that transform chip design, robotics, networks and other use domains that are vital to our nation's health, prosperity and welfare.

**Location:** Del Mar, CA

**Contact:** [tilos.ai/contact/](https://tilos.ai/contact/)

**Funding:** Funding provided by National Science Foundation (NSF)

**Primary Awardee:** University of California San Diego

**Subawardees:** Massachusetts Institute of Technology • National University •  
University of Pennsylvania • University of Texas at Austin • Yale University

