UC RIVERSIDE | Science and Technology Initiative

NEWSLETTER

September 2023 Edition (5)

Event Summary:

Two events are already planned for Fall term 2023.

Fall Kickoff
INTS 1113
Sept. 21 (R), 1-3:00PM

Before the end of Spring term 2023, the number of participants in the UCR STS Initiative reached 50! Over the summer, we welcomed Connie Nugent (CNAS) to the steering committee, Surya Bandela (Public Policy) volunteered to become our first GRE specializing in archival research, Rich Yuen and Sanjoy Moulik (Business) established a presence in CANVAS for the initiative via SLACK, and the project now has a website https://sciencetechstudies.ucr.edu/ .

The ***Fall Kickoff*** meeting September 21st in INTS 1113 will launch our first project - **faculty classroom and organizational exchanges in classrooms and organizations.** The objective is to inform the campus community about the benefits of interdisciplinary collaborations around the theme of artificial intelligence.

Guidelines for the exercise and recruitment will be the focus of this very brief session. We encourage faculty to invite their peers and graduate students who they feel may be interested in working in some way this academic year to expand the initiative. As discussed in our previous meetings, this is an agreed upon "loosely defined" pathway and your opportunity to welcome fellow faculty from other disciplines into your classroom to provide your students a holistic viewpoint about contemporary and often existential topics associated with digital technology.

End of Term Celebration

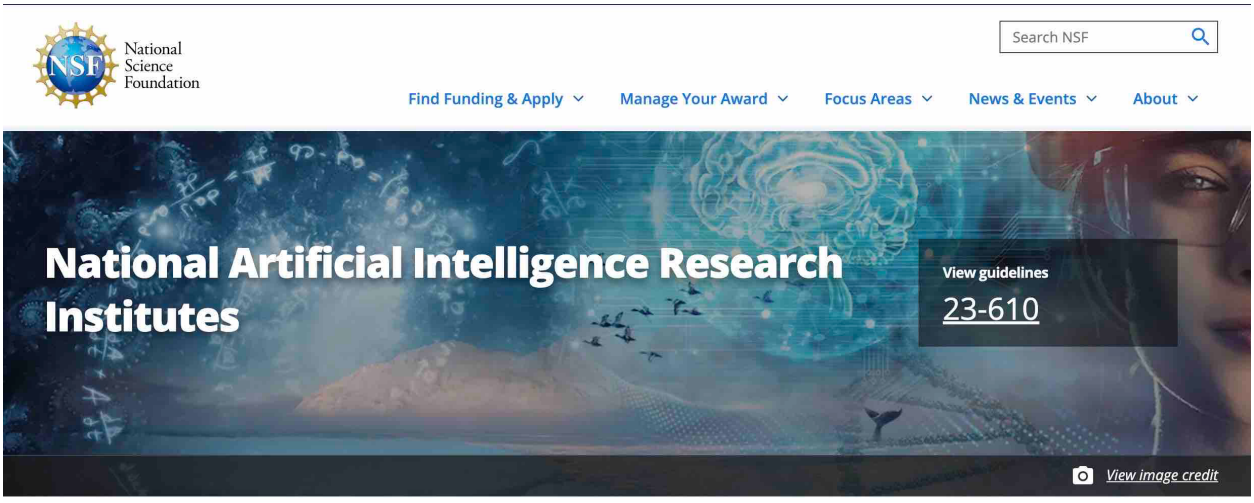
Where: INTS 1113
Date: Wednesday, November 29th Time: 11:30AM- 5:45PM

Keynote Speaker: Colin Milburn

Colin Milburn's research focuses on the relations of literature, science, and technology. His interests include science fiction, gothic horror, the history of biology, the history of physics, nanotechnology, video games, and the digital humanities. He is a professor in the **English Department**, the **Science and Technology Studies Department**, and the **Cinema and Digital Media Department**. He is also affiliated with the programs in **Cultural Studies**, **Performance Studies**, and **Critical Theory**, as well as the **Center for Science and Innovation Studies**. He is the department chair of the **Science and Technology Studies Department**, as well as the director of the **ModLab** digital humanities laboratory.

Areas of focus for this meeting TBA.

Submitted by: Linda Jean Hall, September 2023



Download nsf23610 PDF:

1. **Search for more funding opportunities**

Important information for proposers

All proposals must be submitted in accordance with the requirements specified in this funding opportunity and in the NSF Proposal & Award Policies & Procedures Guide (PAPPG) that is in effect for the relevant due date to which the proposal is being submitted. It is the responsibility of the proposer to ensure that the proposal meets these requirements. Submitting a proposal prior to a specified deadline does not negate this requirement.

Supports the development of new AI Institutes that focus on one of the following themes: astronomical sciences, materials research and new methods for strengthening AI.

Synopsis

Artificial Intelligence (AI) has advanced tremendously and today promises personalized healthcare; enhanced national security; improved transportation; and more effective education, to name just a few benefits. Increased computing power, the availability of large datasets and streaming data, and algorithmic advances in machine learning (ML) have made it possible for AI research and development to create new sectors of the economy and revitalize industries. Continued advancement, enabled by sustained federal investment and channeled toward issues of national importance, holds the potential for further economic impact and quality-of-life improvements.

The 2023 update to the National Artificial Intelligence Research and Development Strategic Plan, informed by visioning activities in the scientific community as well as interaction with the public, identifies as its first strategic objective the need to make long-term investments in AI research in areas with the potential for long-term payoffs in AI. AI Institutes represent a cornerstone Federal Government commitment to fostering long-term, fundamental research in AI while also delivering significantly on each of the other eight objectives in that strategy. The National Security Commission on Artificial Intelligence (NSCAI) identifies AI

Institutes as a key component of a bold, sustained federal push to scale and coordinate federal AI R&D funding and to reinforce the foundation of technical leadership in AI.

This program is a multisector effort led by the National Science Foundation (NSF), in partnership with the Simons Foundation (SF), the National Institute of Standards and Technology (NIST), Department of Defense (DOD) Office of the Under Secretary of Defense for Research and Engineering (OUSD (R&E)), Capital One Financial Corporation (Capital One), and Intel Corporation (Intel).

This program solicitation expands the nationwide network of AI Research Institutes with new funding opportunities over the next two years. In this round, the program invites proposals for institutes that have a principal focus in one of the following themes aimed at transformational advances in a range of economic sectors, and science and engineering fields:

- Group 1 - Awards anticipated in FY 2024:
  - Theme 1: AI for Astronomical Sciences

- Group 2 - Awards anticipated in FY 2025:
  - Theme 2: AI for Discovery in Materials Research
  - Theme 3: Strengthening AI

For the institute themes listed in Group 1, NSF anticipates awards to start in FY 2024; and for themes listed in Group 2, NSF anticipates awards to start in FY 2025. Each group has a specific set of due dates and review timeline pertaining only to that group. More detail is found under Due Dates and in the timeline provided in the Program Description.

Collapse

Program contacts

For general inquiries regarding this program (not theme specific) please email the program leads at:

- **AIInstitutesProgram@nsf.gov**

Program Leads (Reachable at the above address)

- James Donlon, CISE/IIS

For inquiries related to the responsiveness of your ideas for the Themes listed in this solicitation, please contact the program officers listed below. You are advised to address theme-specific questions to all program contacts listed for that theme

Theme 1: AI for Astronomical Sciences

- Andreas Berlind, MPS/AST, aberlind@nsf.gov

- Vladimir Pavlovic, CISE/IIS, vpavlovi@nsf.gov

- Elizabeth Roy, Simons Foundation, telephone: (212) 524-6966, email: eroy@simonsfoundation.org

Theme 2: AI for Discovery in Materials Research

- Serdar Ogut, MPS/DMR, sogut@nsf.gov
- Sylvia Spengler, CISE/IIS, sspengle@nsf.gov

Theme 3: Strengthening AI

- Hector Munoz Avila, CISE/IIS, hmunoz@nsf.gov
- Raj Acharya, CISE/IIS, racharya@nsf.gov
- Tatiana D. Korelsky, CISE/IIS, tkorelsk@nsf.gov
- Eleni Miltsakaki, CISE/IIS, emiltsak@nsf.gov

- Juan Wachs, CISE/IIS, jwachs@nsf.gov

AI Research Institutes Program Team AIInstitutesProgram@nsf.gov 703-292-51

Expand

Additional program resources

- Frequently Asked Questions (FAQs) About the National Artificial Intelligence (AI) Research Institutes Program (NSF 22-502)
- AI Institutes Webinar ,September 5th ,2023 , 1:30 pm □ 3:00 pm -- Register here

Awards made through this program

Browse projects funded by this programMap of recent awards made through this program

Submitted by: Yolanda Moses, September, 2023

View site information

TOWARD SCIENCE WITHOUT WALLS

AAAS ANNUAL MEETING Denver, CO | February 15–17

REGISTRATION PROGRAM E-POSTERS SPONSORS & EXHIBITORS ATTEND UPDATES

ADVANCE REGISTRATION

Dear Friends and Colleagues in the Science & Technology Community,

I am delighted to announce that the 2024 AAAS Annual Meeting will be held in person in **Denver Colorado, February 15-17, 2024**, and to invite your participation.
The Annual Meeting theme, ***Toward Science Without Walls***, will explore the consequences of barriers that currently fragment our community, separating us by discipline, approach, institution, nation, access, wealth, seniority, race, and gender. We will consider solutions, and envision a seamless ecosystem that would drive more innovative, equitable, rapid, open science and technology.

Keith Yamamoto
AAAS President and Chair,
2024 AAAS Annual Meeting
University of California, San Francisco

Submitted by: Linda Jean Hall, September 2023