

57th Annual Users Meeting

Inspirations from P5

July 10th, 2024

Education Public Engagement (EPE) Subcommittee

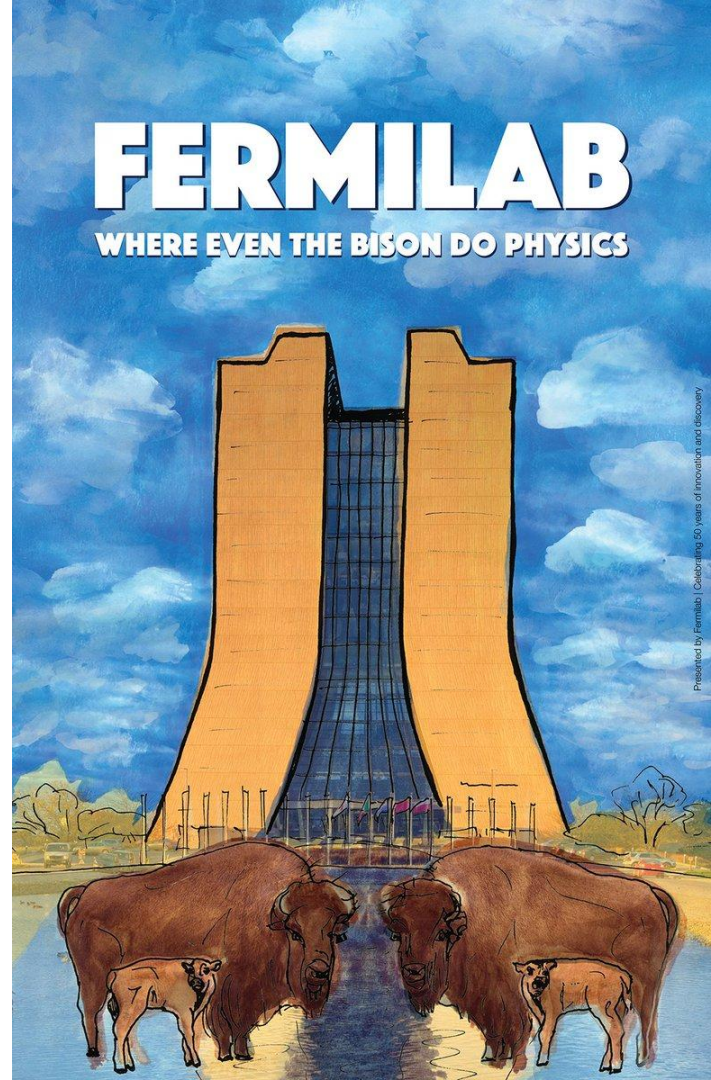
Barbara Yaeggy & Adam Lyon

On behalf of the UEC



U.S. DEPARTMENT OF
ENERGY

Office of
Science



Our mission

Being a bridge between Users & Affiliates and the diverse educational programs within Fermilab and from Fermilab to the Public.

Current Members



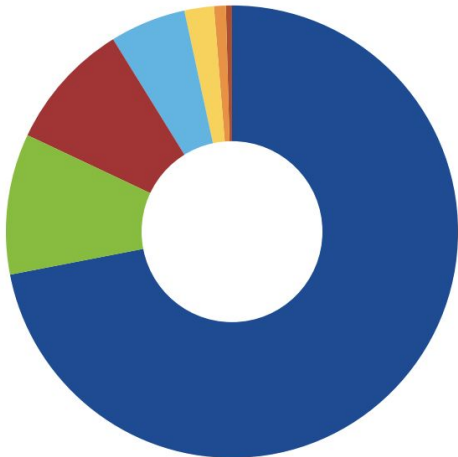
Barbara Yaeggy (Chair)
*Postdoc
University of Cincinnati*



Adam Lyon (Deputy)
*Division Director
Data Science, Simulation,
and Learning Division*

Race/ethnicity

2,160 **1,553** Male
607 Female



- White 71.9%
- Asian 10%
- Hispanic or Latino 9.3%
- Black or African American 5.6%
- Not Specified 2.1%
- Two or more races 0.9%
- Native Hawaiian or other Pacific Islander 0.2%
- American Indian or Alaska Native 0%

Field of work



- Scientists 8.5%
- Engineers 14%
- Postdocs 5.8%
- Computing 13.6%
- Technical 26.9%
- Mission Support 31.2%

To learn more, visit diversity.fnal.gov.

Data as of September 30, 2023

We are a very diverse group!



**How all this
diversity mingle?**

Educational Programs

At Fermilab, there are so many activities that enable direct interaction among Users & Affiliates but also between them & the community.

EPE is in direct contact with all the organizers!

- Logistics
- Support
- Promote



Field Trips, Study Units & Tours

High School Field Trips
Guided and Self-guided Tours
Field Trips & Study Units (K-8)
Lederman Science Center



Classes & Special Events

Saturday Morning Physics
Virtual Winter Ecology Speaker Series
Virtual Family Open House
STEM Career Expo
Virtual Earth Day



Professional Development

Teacher Workshops - Scholarships
QuarkNet
Physical and Life Sciences Resources



Research Participation

High School Research Experience
Internships
Data-based Investigations

Resource Groups

Laboratory Resource Groups (LRGs) are voluntary networks led by the Fermi-community that serve as resources in building a diverse and inclusive workforce that is aligned with the organization's mission, values, and goals. Our hallmarks include sharing knowledge, strengthening professional networks, and assuring equity and inclusion for each member of the lab community.

African-American/Black Association

Fermilab Asian Pacific Association

Fermi Accessibility Communities

Fermilab Society of Women Engineers

Fermilab Society of Hispanic Professional Engineers

Fermilab Young Professionals

Hispanic/Latino Forum

Spectrum (LGBTQ+) Community

Veterans Group

Women's Initiative



Internship Programs

HIGH SCHOOL

UNDERGRAD

GRADUATE

PROFESSIONAL

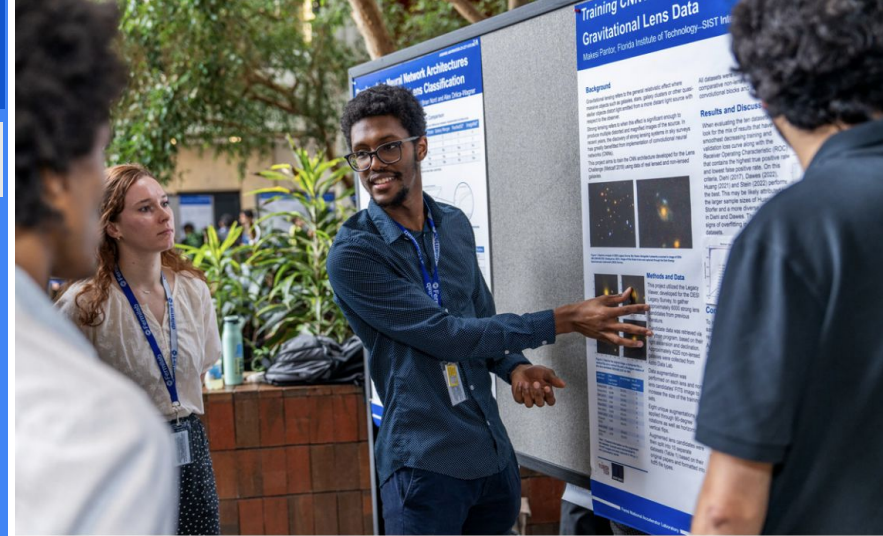
Multiple activities across the summer:

- Networking
- Career panels, save the date!

**July 22, 2pm, One West,
Intern-Early Career Panel &
Networking Session**

Have you meet an intern? a short talk can turn out into a positive influence, don't be shy ;)

Checkout: <http://internships.fnal.gov>



Internships

Fermilab has a long history of internship programs for high school, undergraduate and graduate students, secondary school teachers, and professionals. Increasing the recruitment and retention of underrepresented scientific and technical students, postdoctoral research associates, early career researchers, and experts is a workforce priority. Application deadlines, length of assignments, selection process, eligibility and requirements vary by program.

Fermilab interns have access to mentoring, networking opportunities, and workshops, and all Fermilab interns are invited to the Fermilab Alumni Network, joining hundreds of other students and professionals with similar experience.

Graduate Programs & Fellowships

Accelerator Engineering Fellowships for Underrepresented Minorities (ASPIRE)



Accelerator Science Program to Increase Representation in Engineering, or ASPIRE, is a Fermi National Accelerator Laboratory fellowship providing immersive learning experiences, at Fermilab, to undergraduate and graduate (masters) engineering students, who are historically and contemporarily underrepresented in accelerator engineering fields, including Black, LatinX, and Indigenous identities, and women. ASPIRE is a partnership between Fermi National Accelerator Laboratory and all US colleges and universities, initially with Northern Illinois University.

<https://diversity.fnal.gov/graduate-programs-and-fellowships/>

GEM Fellowship Program (Graduate)



Fermilab is a member of [The National GEM Consortium](#). The consortium's primary focus is to administer and award fellowships with paid internships to highly qualified historically underrepresented students to pursue graduate studies in engineering or science. GEM fellowships include paid summer internships that provide the ideal opportunity for tomorrow's science and technical leaders to gain firsthand research and work experience at partner companies and institutions, such as Fermilab.

Ph.D. Fellowship for Students Underrepresented in STEM

Underrepresented students pursuing a Ph.D. program in physics, mechanical engineering or computer science at [URA universities](#) are encouraged to apply. An application packet includes a completed Ph.D. fellowship [application](#), personal statement, resume, two letters of recommendation, and a letter of admission to a Ph.D. program. Completion of a Fermilab [SIST](#) program internship is required.

For Physicist & Engineers



Wilson Fellow
Experimental Physics:
Scientific Staff

Robert R.
Wilson

[Program Details >](#)



Peoples Fellow
Accelerator Science:
Scientific Staff

Leon M.
Lederman


[Program Details >](#)



SQMS Parker Fellowship
Superconducting Quantum
Materials and System Center

Carolyn B.
Parker


[Program Details >](#)



Lederman Fellow
Experimental Physics:
Postdoctoral

Leon M.
Lederman


[Program Details >](#)



Sylvester J. Gates, Jr Fellowship
Theoretical Physics: Postdoctoral

Sylvester James
Gates, Jr.


[Program Details >](#)



Neutrino Physics Center Fellowship
Graduate, Postdoctoral and
Senior Neutrino Researchers

NPC


[Program Details >](#)



Schramm Fellow
Theoretical or Experimental
Astrophysics
Advanced Postdoctoral

David N.
Schramm

[Theoretical Program Details >](#)
[Experimental Program Details >](#)



Ben Lee Fellow
Theoretical Physics:
Senior

Benjamin W.
Lee

[Program Details >](#)



Rajendran Raja Fellowship
For graduate students or postdoctoral
researchers in particle physics who are
citizens of India.

Rajendran Raja

[Program Details >](#)



Universities Research Association
FNAL Visiting Scholars Program

URA

[Program Details >](#)



Intensity Frontier Fellows
Senior and Postdoctoral
Researchers

Intensity
Frontier

[Program Details >](#)



The Joint Task Force Initiative Postdoctoral Fellowship
Experimental Physics Research for
early-career researchers underrepresented
in STEM

JTFI

[Program Details >](#)

Fermilab employees and users are invited to explore the laboratory's special interest organizations. These sites can be viewed only from a Fermilab IP address.

[Users Executive Committee at Fermilab](#)

The purpose of the Users Executive Committee (UEC) is to provide a forum for discussion of scientific and administrative matters relevant to the Users community and functions of the Laboratory. In particular, UEC plays an important advisory role in determining the relationship of outside Users to the Laboratory.

[Fermilab Friends for Science Education](#)

Fermilab Friends for Science Education, in partnership with Fermilab and area educators, creates and supports innovative education programs to enhance the teaching and learning of science and mathematics at the precollege level.

[Fermilab Natural Areas](#)

Fermilab Natural Areas (FNA) is a 501(c)(3) not-for-profit corporation operating exclusively within the boundaries of Fermilab. Their mission is to conserve, restore and study the natural areas within Fermilab while encouraging employees and neighbors to experience and enjoy Fermilab's natural beauty. FNA provides volunteer opportunities and internships in the natural areas at Fermilab and relies on donations to support this great work. Please consider volunteering with or donating to Fermilab Natural Areas.

[Fermilab Student and Postdoc Association](#)

The Fermilab Student and Postdoc Association represents the community of early-career researchers at Fermilab, including all students, postdocs, summer students and interns. We host social events throughout the year. We're a resource if you have any questions or problems while you're at Fermilab.

[Bible Exploration for Lunch League \(BELL\)](#)

The Bible Exploration for Lunch League gathers every Tuesday at noon in the Quarium (WH-8SW) and is open to anyone who would like to explore for themselves what the Bible has to say.

[Cultural Association of Italians at Fermilab](#)

The purpose of CAIF is to preserve and spread the Italian culture among the resident Italians in the USA, and within the American community.

[NALWO](#)

NALWO is the Fermi National Accelerator Laboratory Women's Organization. All women associated with Fermilab are welcome; visiting women and newcomers are especially encouraged to join NALWO activities.

[Women in Science and Technology at Fermilab](#)

This is an informal group of women scientists, technicians and engineers who gather for lunch and engage in discussions about issues affecting women working at Fermilab.

[Fermilab Bicycle Commuters](#)

Join others who advocate for commuting using only two wheels.

How we can do better?

Anonymous feedback for each of the UEC committees

<https://uec.fnal.gov/>

No circumstance is small,
it matters,
report:

<https://app.integritycounts.ca/org/fermilab>

THANKS!

