



# 2<sup>ND</sup> HOW TO WRITE A SUCCESSFUL LaserNetUS PROPOSAL

MODERATED BY:



PANELISTS:





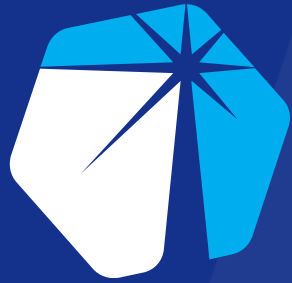
LaserNetUS

# OPENING REMARKS



U.S. DEPARTMENT OF  
**ENERGY**

Office of  
Science



LaserNetUS

# I-USE: Intense-light **US**ers **E**ngagement Committee

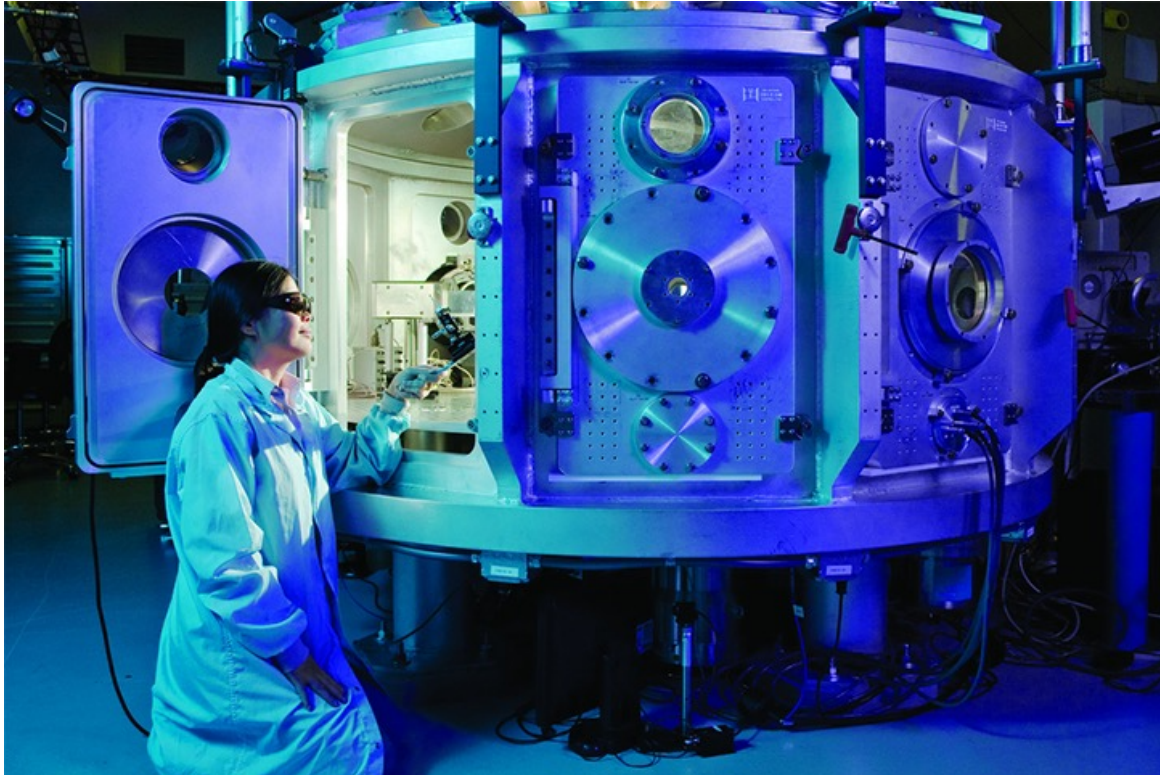


U.S. DEPARTMENT OF  
**ENERGY**

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Science



# TODAY'S AGENDA



Welcome (10 AM - 10:05 AM)

What is LaserNetUS? (10:05 AM - 10:30 AM)

Crafting a Successful Proposal (10:30 AM - 10:55 AM)

Writing Resources and Your Next Action Steps (10:55 AM - 11:05 AM)

Q&A Panel (11:05 AM - 11:55 PM)

Closing Remarks (11:55 PM - 12 PM)



LaserNetUS

# LaserNetUS Overview

Chandra Breanne Curry  
LaserNetUS Coordinator  
2<sup>nd</sup> How to Write a Successful LaserNetUS Proposal  
October 25, 2022



U.S. DEPARTMENT OF  
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Science



# CHANDRA BREANNE CURRY

## LaserNetUS Coordinator and Project Scientist with MEC-U Project

### Experience:

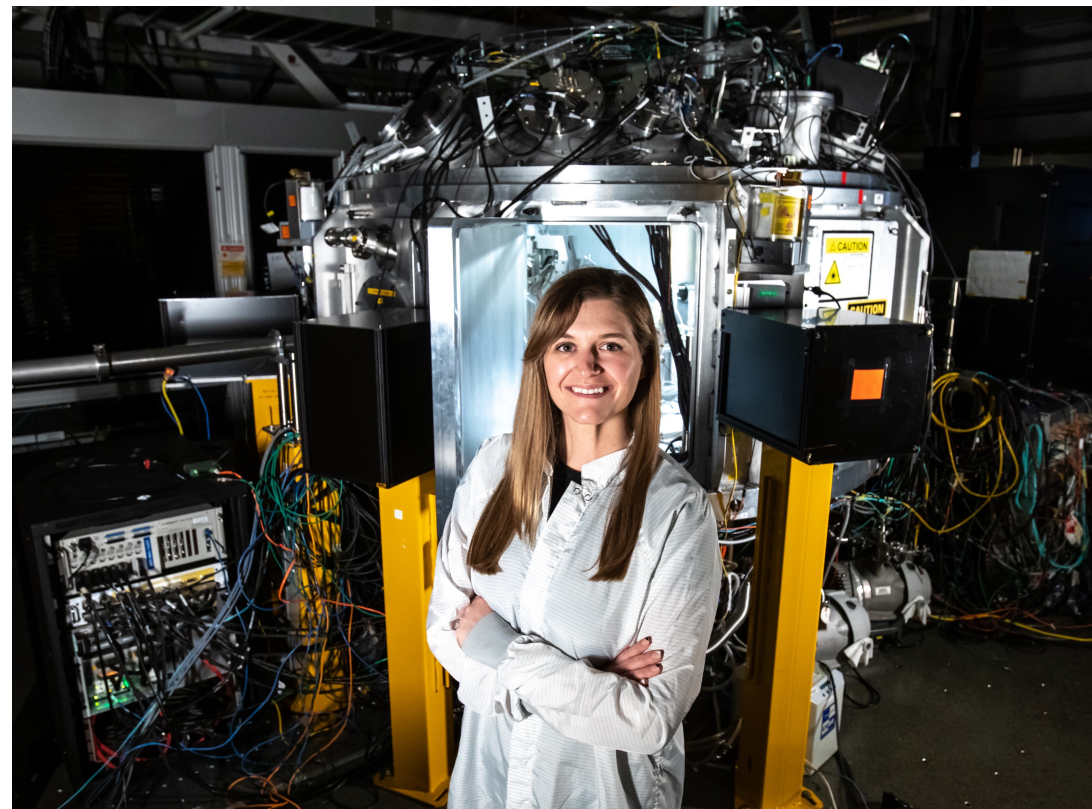
- Performed >30 high-power laser experiments around the world
- PhD with HEDS/SLAC and the ECE Department at the University of Alberta
- Graduate and postdoctoral fellowships from the Natural Sciences and Engineering Research Council of Canada (NSERC)

### Research Topics:

- Inertial confinement fusion (BSc research at LLNL)
- High-intensity laser-plasma interactions
- High-repetition rate target systems

### Current role:

- Appointed as the LaserNetUS Coordinator by DOE FES in Nov. 2021
- Working to expand the user community and establish connections between LaserNetUS and the MEC-Upgrade project





# EXPERIMENTAL TIME IS AWARDED THROUGH A PROPOSAL PROCESS. SO, WHAT IS IT?

A research proposal is a formal document that explains:

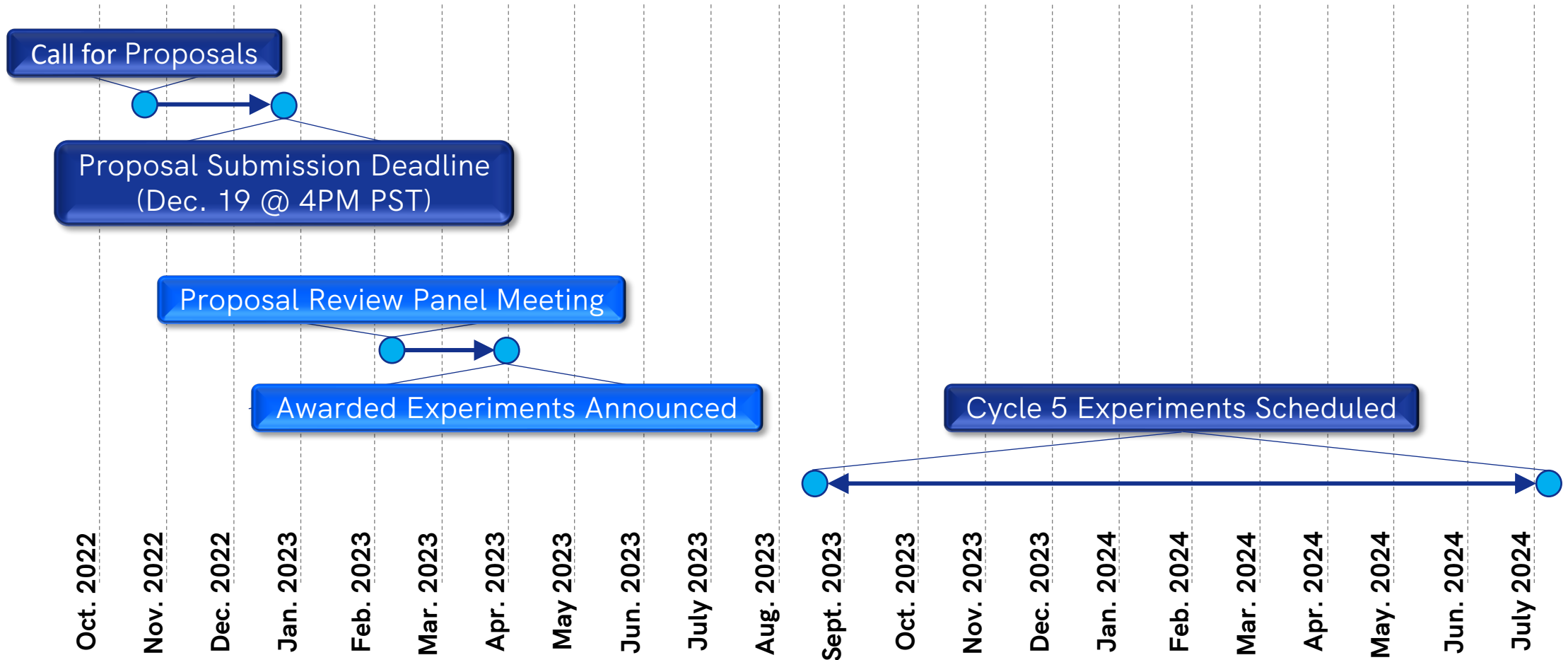
- **WHAT** you plan to research (*i.e.* your topic); convinces the Proposal Review Panel
- **WHY** it's worth researching (*i.e.* your scientific case and broader impact); and explains to the LaserNetUS facility personnel
- **HOW** you plan to investigate it (*i.e.* your experimental methodology)

Main steps from idea to award:

- 1) Identify topic/research area and primary/secondary LaserNetUS facility
- 2) Contact LaserNetUS facility POCs to discuss proposed experiment
- 3) Prepare proposal and iterate on technical details, as required, with LaserNetUS facility technical staff
- 4) Submit proposal by Dec. 19, 2022 at 4PM PST**
- 5) Proposal reviewed by the Proposal Review Panel
- 6) Short-listed proposals sent to LaserNetUS facilities for Technical Feasibility Review
- 7) Final list of awarded experiments announced in Spring 2023**



# CYCLE 5 CALL FOR PROPOSALS: TIMELINE







# CYCLE 5 CALL FOR PROPOSALS: GUIDELINES, NOTES, IMPORTANT DATES

Home > Proposal Review Process

## Proposal Review Process

### Proposal Submissions

LaserNetUS encourages scientists from diverse fields to propose experiments utilizing the consortium's wide-ranging capabilities. International Principal Investigators are welcome. We recommend that scientists describe well-posed experiments. Proposals must include brief discussions of the expected scientific or technological impact and anticipated feasibility and probability of success of experiments. Proposals that include a clear description of the expected schedule, indicating the scope, have a better chance of being selected.

For full details of calls for proposals visit:  
<https://lasernetus.org/proposal>

The Cycle 5 deadline to submit a proposal is Dec. 19, 2022 for experiments starting in Sept. 2023.

**LaserNetUS Proposal Submissions Submission Schedule**

Cycle	Type	Proposal Deadline	Start	End
1	LaserNetUS PEP	Dec. 15, 2012 (noon PST)	June 2011	June 2012
2	LaserNetUS PEP	Dec. 15, 2012 (noon PST)	July 2012	July 2013
3	LaserNetUS PEP	Dec. 15, 2012 (noon PST)	Sept. 2013	July 2014

**Proposal Preparation Guidelines**

**Submitting LaserNetUS Proposals**

**Proposal Template Instructions**

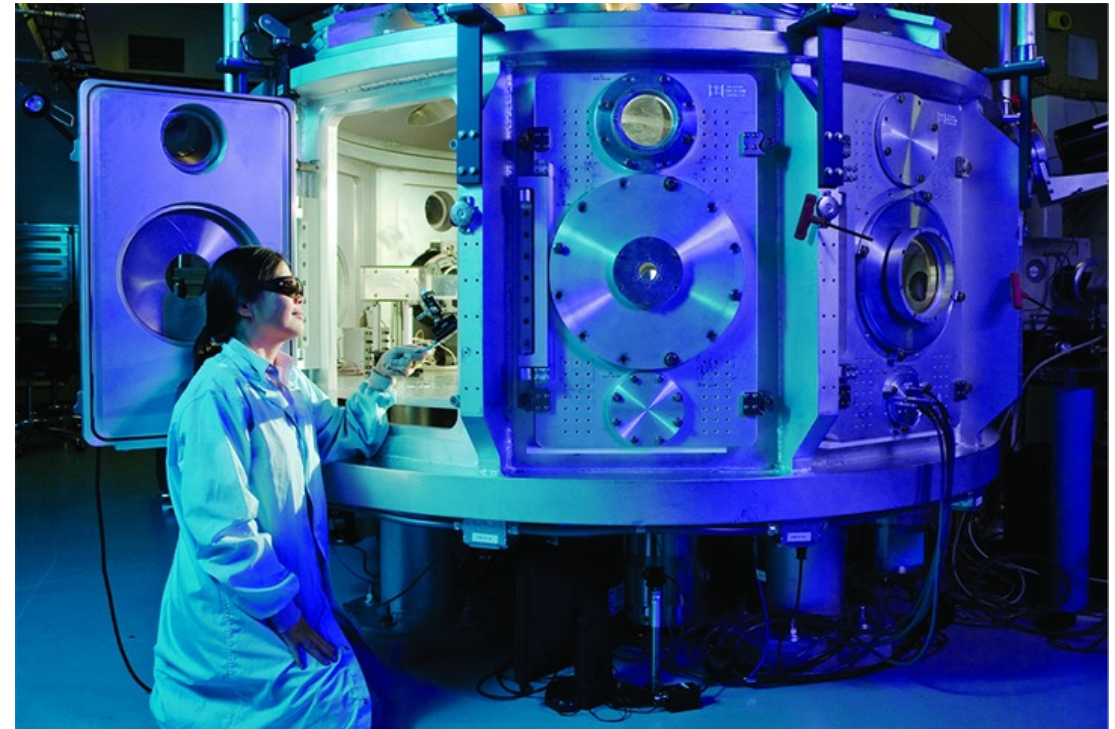
Guidelines

Template



# OUTLINE

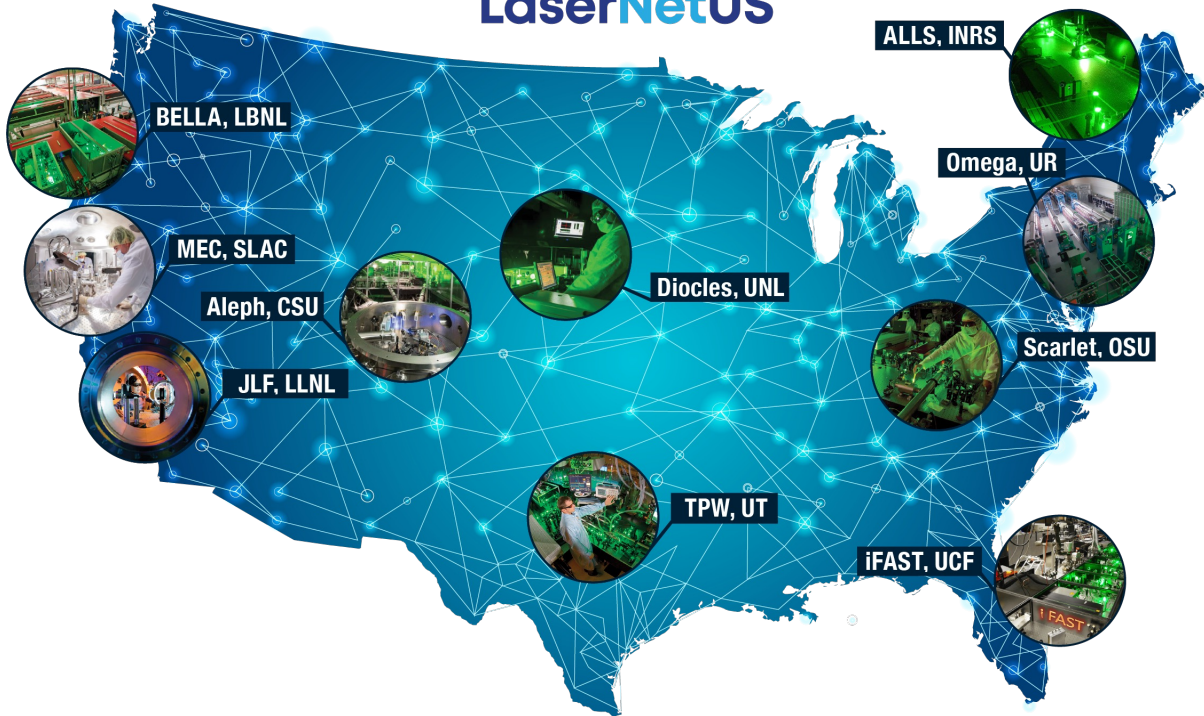
- What is LaserNetUS?
- LaserNetUS by the Numbers
- Access & Networking
- Workforce Development & Community Growth
- Science areas benefiting from the use of high-power lasers





# THE LASERNETUS NETWORK

## LaserNetUS



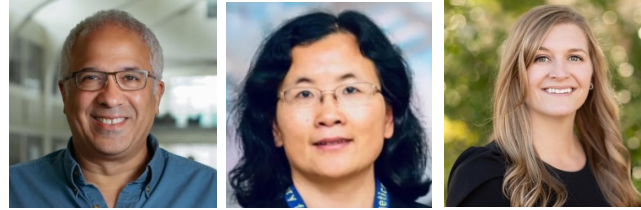
The mission of LaserNetUS is to advance and promote intense ultrafast laser science and applications by:

- Advancing the frontiers of laser-science research;
- Providing students and scientists with broad access to unique facilities and enabling technologies;
- Fostering collaboration among researchers in related fields around the world.



U.S. DEPARTMENT OF ENERGY, OFFICE OF FUSION ENERGY SCIENCES

LASERNETUS  
MANAGEMENT

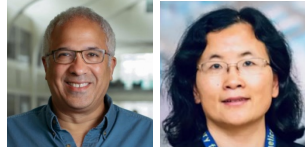


CHAIR

VICE CHAIR

COORDINATOR

LASERNETUS  
COMMITTEES



CHAIR

VICE CHAIR



CHAIR

CO-CHAIR



CHAIR

VICE CHAIR



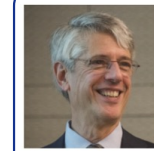
CHAIR

VICE CHAIR



CHAIR

PAST CHAIR



CHAIR

NETWORK FACILITIES



Carry out awarded experiments, implement SAB recommendations, strategic planning for the network

INTENSE-LIGHT USERS  
ENGAGEMENT (I-USE)



Represent user's interests within the network

DIAGNOSTICS



Prioritization of common diagnostics development by engaging both users and facilities

SIMULATIONS



Establish connections between investigators and the teams that build simulation codes

PROPOAL  
REVIEW PANEL



Conduct a fair and transparent review process to award experimental time

SCIENTIFIC  
ADVISORY BOARD



Provides an external perspective and strategic guidance for the network





# INTENSE-LIGHT USERS ENGAGEMENT (i-USE) COMMITTEE



**Ronnie Shepherd**  
Chair  
LLNL



**Amina Hussein**  
Co-Chair  
UAlberta

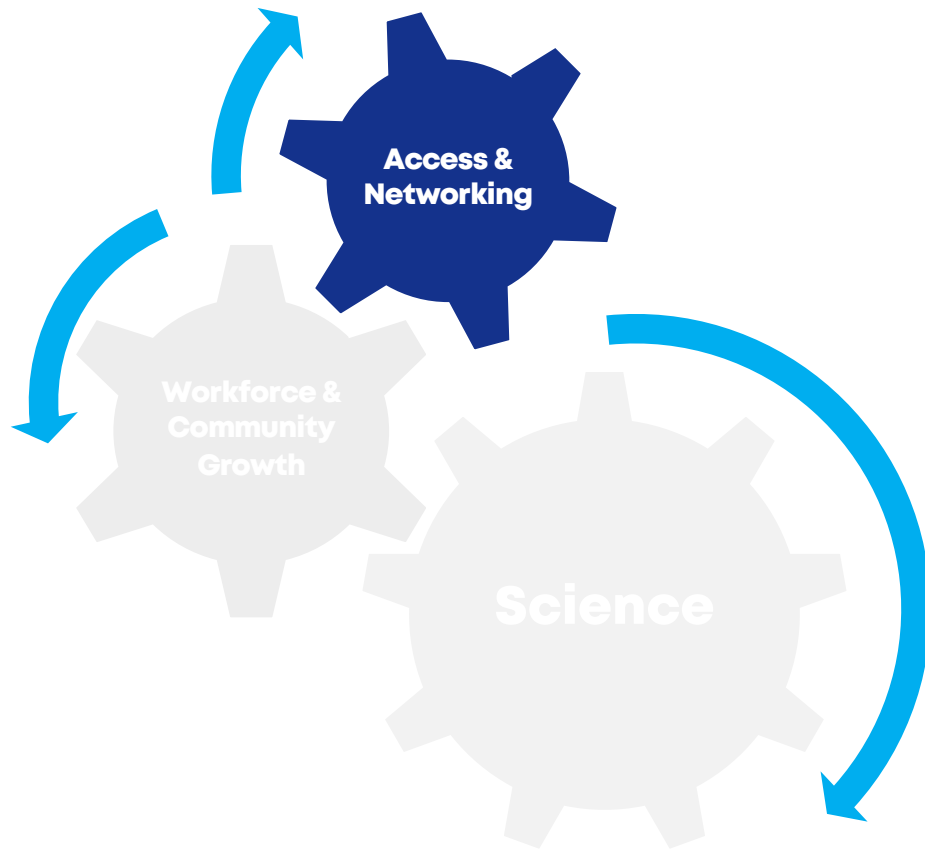
**i-USE is the User Group of LaserNetUS.  
The mission of i-USE is to grow the high-intensity laser community by:**

- [Supporting users](#) on the LaserNetUS facilities;
- Advocating for member facilities and the user community;
- Providing an official channel of communication between users and LaserNetUS management;
- [Fostering collaborations](#) with the research community and industry; and
- Promoting [training and education](#) of students, post-docs and early-career scientist in laser-matter interactions;





# THE LASERNETUS NETWORK

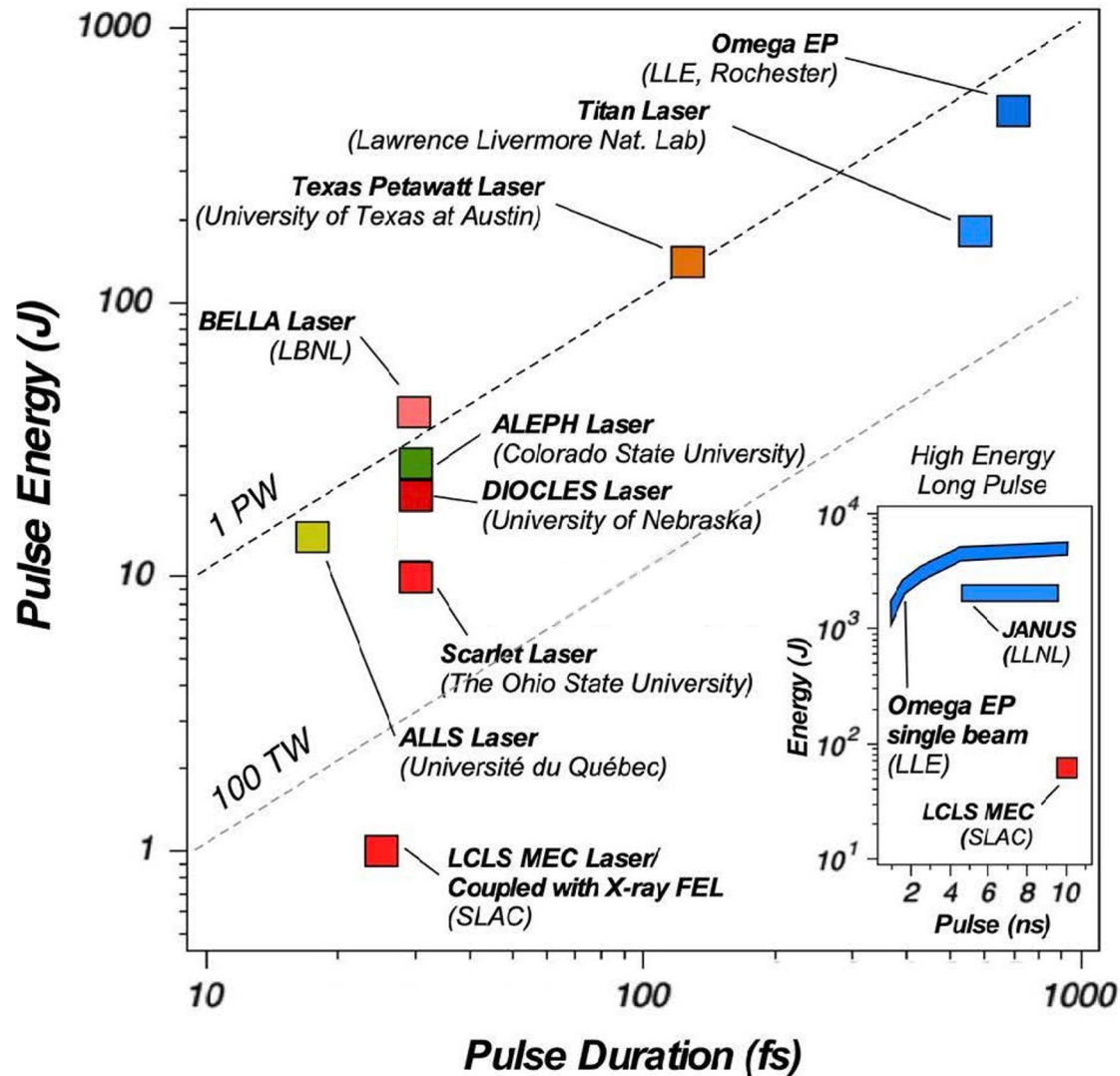


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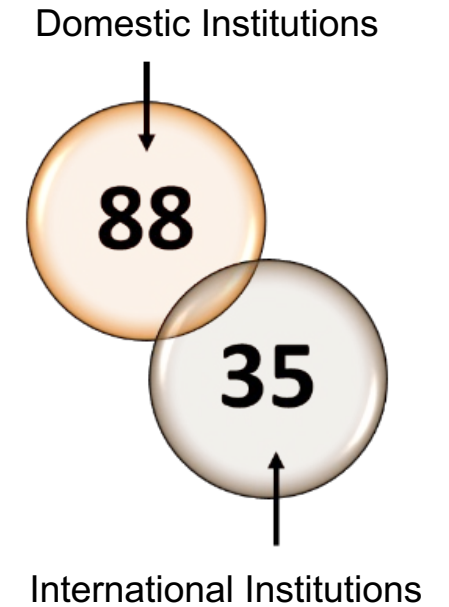
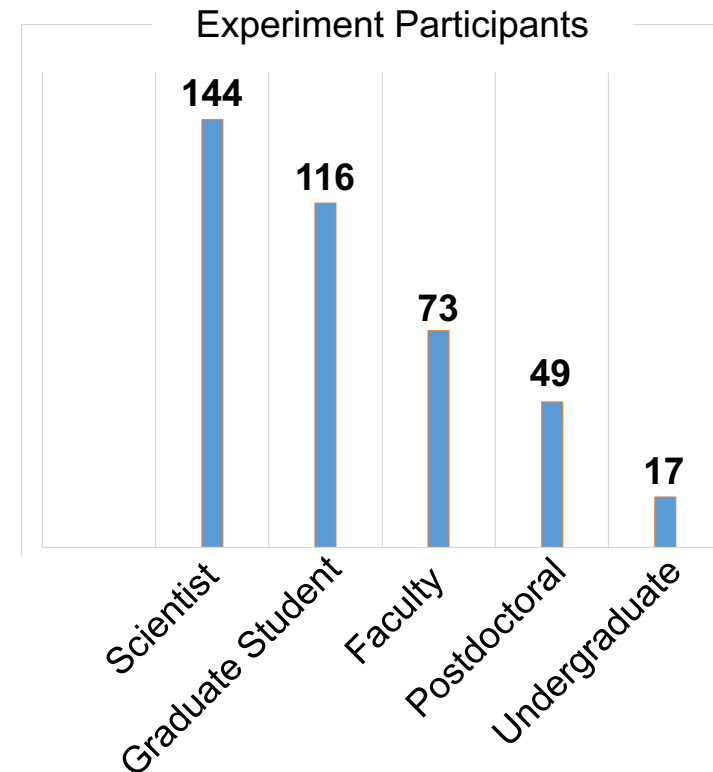
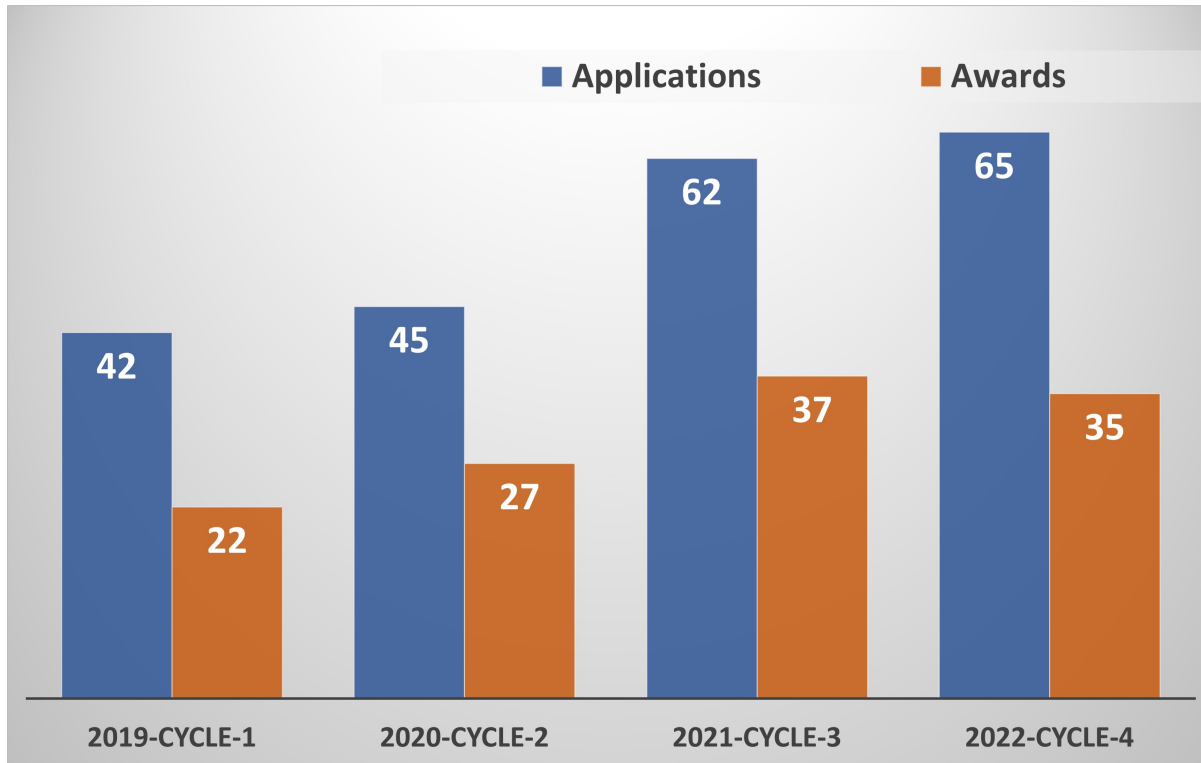
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**Facilities span high impact laser regimes**



# LASERNETUS BY THE NUMBERS



**10** facilities

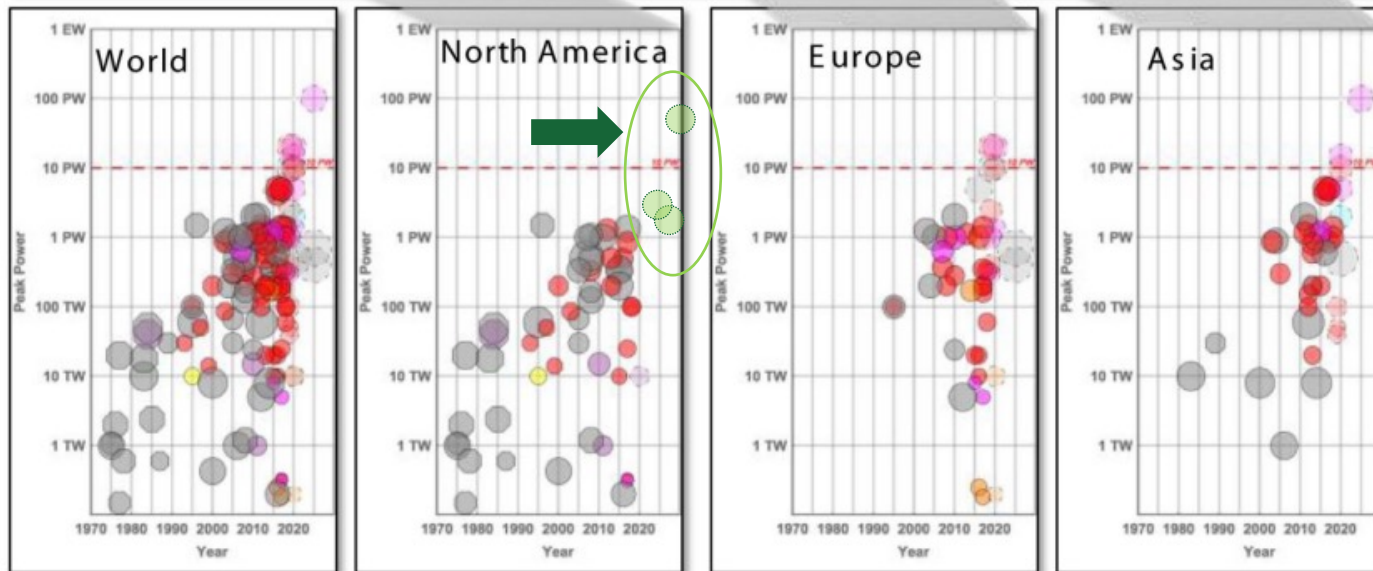
**70** experiments performed

**1253** members





# LASERNETUS AIMS TO REESTABLISH U.S. LEADERSHIP IN HIGH-POWER LASER SCIENCE



C. N. Danson et al., High Power Laser Sci. Eng. **7**, e54 (2019)

Upcoming petawatt laser projects surpass current state-of-the-art

MEC-U (1 PW)

- 150 J, 150 fs, 10 Hz
- 1.5kW
- Plans exist for future upgrades: e.g. dual-PW

ZEUS (3 PW)

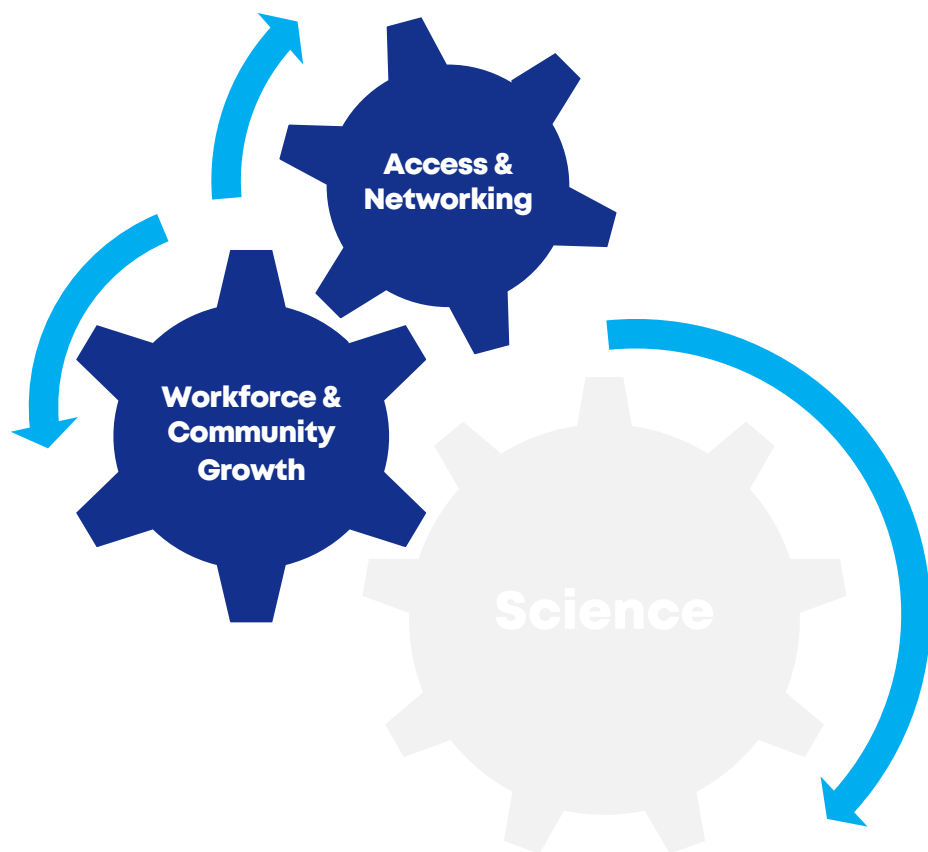
- 75J, 25 fs, 1/min
- 1.25W

OMEGA EP OPAL (75 PW)

- 2kJ, 20 fs, 1/20 min
- 2W



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# DEVELOPING PROPOSAL WRITING RESOURCES TO SUPPORT NEW USERS

How to Write a Successful LaserNetUS...

Watch later Share

## HOW TO WRITE A SUCCESSFUL LASERNetUS PROPOSAL

Watch on YouTube

Dr. Arianna Gleason  
Proposal Review Panel Chair

Webinar on how to write a successful proposal organized by I-USE

## Proposal template with detailed instructions, examples, and writing prompts

LaserNetUS

### Proposal Template Instructions

While our proposal format has changed, it is still limited to 6 pages in PDF format, not including three appendices: (I) references; (II) tentative research team; and (III) a technical parameter table.

This is the official template which must be used for proposals submitted for consideration of experimental time by LaserNetUS in Cycle 5. The grey boxes throughout the document provide section specific character limits (including spaces), instructions, and writing prompts. They should be deleted before submission.

The content should be written in Times New Roman 11pt font, single-spaced, and aligned in mode "justify". Please make sure to set the following normal margins: top, bottom, right: 1.0" (2.5 cm); left: 1.0" (2.5 cm). Figure captions can be Times New Roman 9pt font.

Use the following main sections, appearing in bold, and include additional numbered subsections as needed to enhance the readability of the proposal.

If this proposal is the continuation of a previously awarded experiment on any of the LaserNetUS facilities, a **progress** report should be uploaded separately in the proposal submission system. It should include: the proposal number(s), dates of experiment(s), facilities/instruments used, and a brief summary of the experiment and how results have been disseminated (list major invited talks, papers published or in press, awards or special recognition)

If you have any questions on the use of this template, please contact [Chandra Browne Curry](#) or [Arianna Gleason](#).

Spokesperson Name

### LaserNetUS Proposal for Cycle 5

Cycle 5 Experiment Dates: September 2023\* - July 2024  
\*Earliest start date will depend on facility readiness and proposal feasibility

**Proposal Deadline:**

**Title of Proposed Experiment:**

Provide a descriptive title of your proposed experiment that you would be willing to be made public if awarded experiment time.

**Spokesperson:**  
First Name Last Name  
Division/Department  
Institution  
Job Title/Role  
Mailing Address Line 1  
Mailing Address Line 2  
E: abc@xyz.edu  
T: +1 (xxx) xxx-xxxx

**Lead Principal Investigator (PI):**  
First Name Last Name  
Division/Department  
Institution  
Job Title/Role  
Mailing Address Line 1  
Mailing Address Line 2  
E: abc@xyz.edu  
T: +1 (xxx) xxx-xxxx

**Co-PI(s):**  
First Name Last Name  
Division/Department  
Institution  
Job Title/Role  
Mailing Address Line 1  
Mailing Address Line 2  
E: abc@xyz.edu  
T: +1 (xxx) xxx-xxxx

*The "Spokesperson" is the primary point of contact for the proposed experiment. The Lead PI typically conceives of the idea, designs the experiment, and leads the experimental team and analysis effort. In most cases, the Spokesperson and Lead PI are the same.*

*A Co-PI is required for all submissions when a student or postdoc is the Lead PI. In this case, the Co-PI is typically the supervisor and is expected to provide the necessary training, oversight, funding, and resources to successfully execute the experiment. Additionally, the Co-PI will be contacted if the student/postdoc leaves the field.*

*A list of all participants that you expect to be involved in the proposed research is required. It should include students, designers/modelers, target fabrication technicians, etc. This information is collected in appendix II: Tentative Research Team. This information is critical to assess if the team has adequate experience and staffing levels are compatible with the support provided by the facility.*

Page 2 of 15



# PRIORITIZATION OF BROADER IMPACTS IN ADDITION TO INTELLECTUAL MERIT

**Creating  
a Brighter  
World  
Together**

Become part of our mission >

## Impact on the Scientific Ecosystem & Society

How broadly will the project impact the scientific and technical HED and high-intensity laser community in the US, and translate to a broad impact on society?

- Who benefits? What is the benefit?
- Are you a new user to laser platforms/experiments?

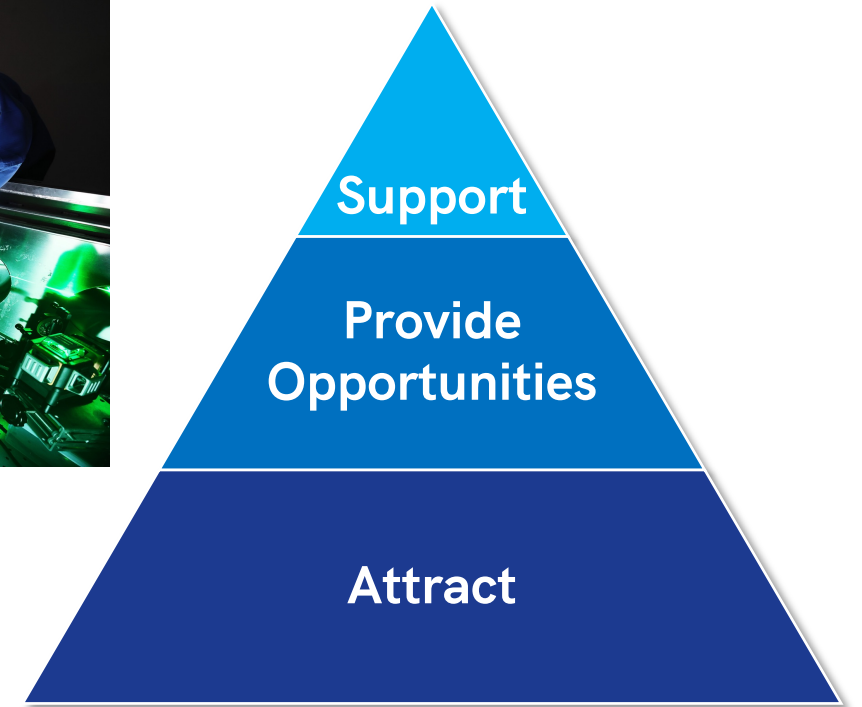
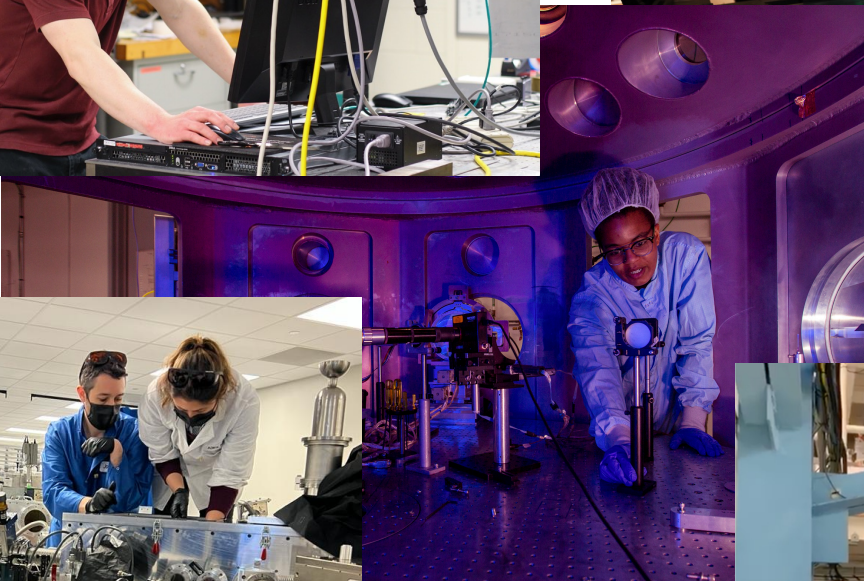
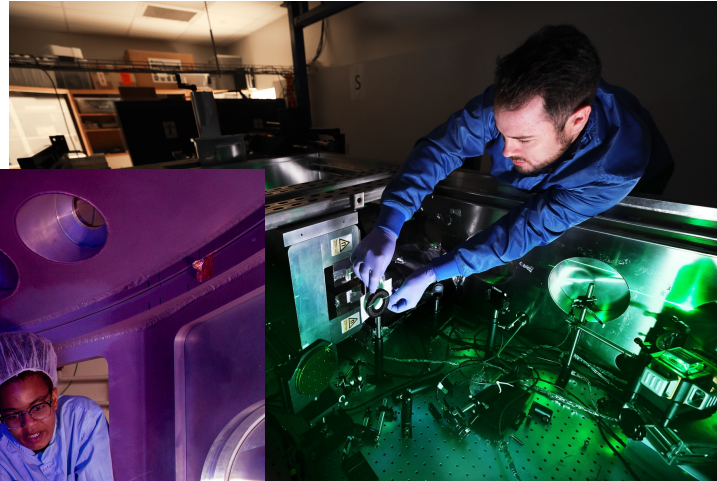
## Impact on Workforce

To what extent will the project attract new talent, develop existing staff, provide mentorship?

- Growth of the community and field
- Cross-collaboration with new fields?
- Strong emphasis on student/early career engagement



# LASERNETUS ENCOURAGES STUDENTS AND EARLY CAREER RESEARCHERS TO BE LEAD PI



# 2022 LaserNetUS Users' Meeting

## August 16-18, 2022

### Fort Collins, CO

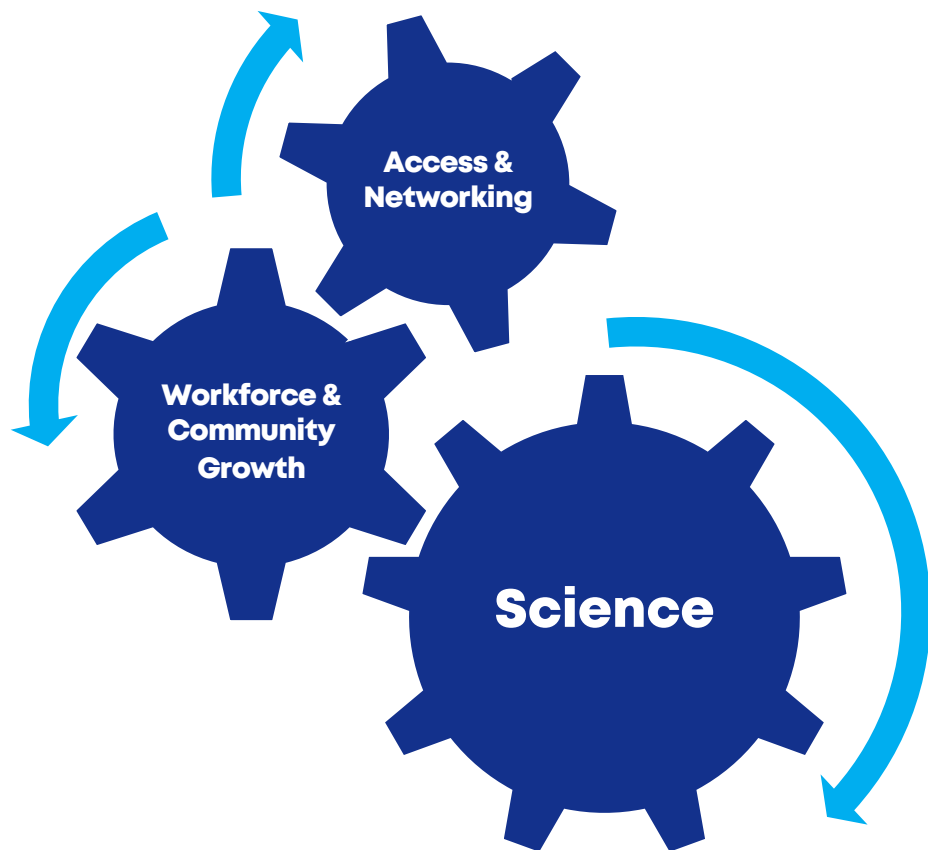


POSTER SESSION

- The 2.5 day meeting was hosted by Colorado State University in Fort Collins, CO
- 165+ attendees, 43% of the contributed talks were by graduate students
- *LaserNetUS provided support for 40 students to attend the meeting and present their research*



# THE LASERNETUS NETWORK



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# INNOVATION DRIVEN BY HIGH-POWER LASER TECHNOLOGY



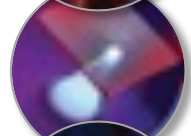
**Medical** – hadron therapy for cancer treatment, bloodless surgery



**Security** – sensitive-nuclear-material detection



**Accelerators** – compact laser-based accelerators



**EUV Lithography** – extending Moore's Law, semiconductor industry



**Inertial Confinement Fusion** – enabling laser fusion power



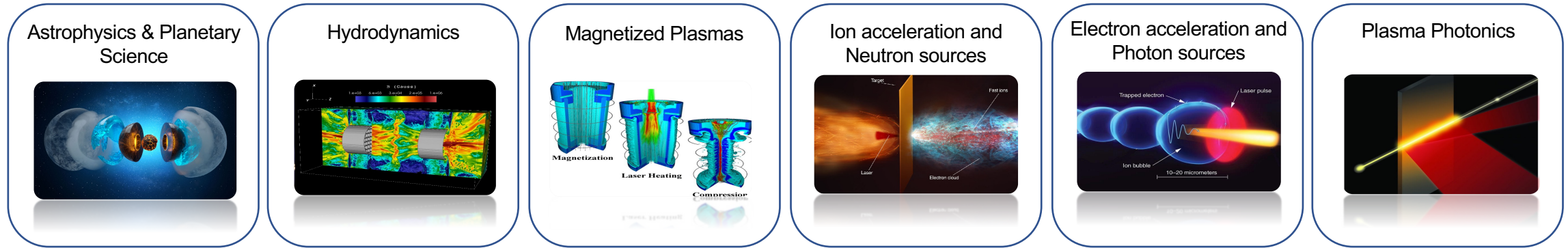
**Non-destructive Imaging** – identifying internal flaws/defects in manufactured components

Adapted from illustration  
by Phil Saunders





# NETWORK CAPABILITIES ENABLE A BROAD RANGE OF SCIENCE & APPLICATIONS



## LaserNetUS User Community

### Current network facility capabilities

High intensity laser pulses at high-repetition-rate

Multiple fs beams with shaped pulses at repetition rate

High energy (up to kJ) pulses with precision control and flexible configurations

High repetition rate targetry and diagnostics

High energy x-ray beam synchronized to PW pulses

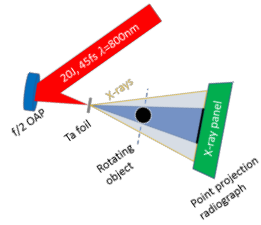
3-beam synchronized high energy laser with multi-PW pulses

Wavelength tunable high energy probe with kJ drivers

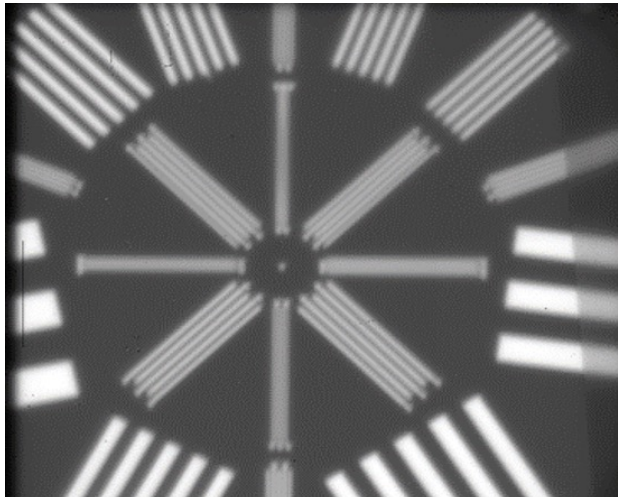
### Added capabilities by MEC-U flagship facility



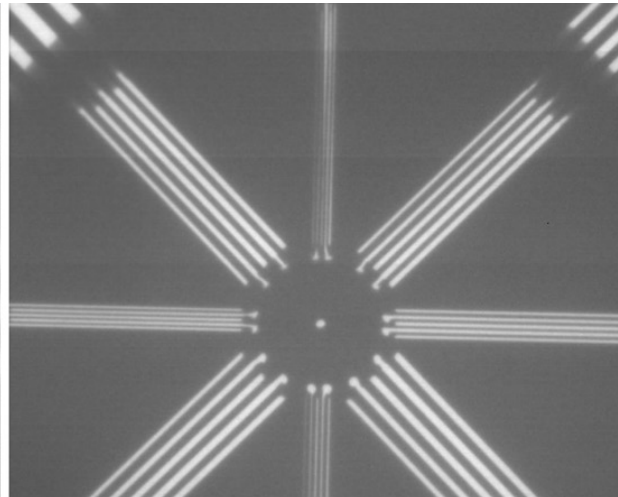
# TOMOGRAPHIC IMAGING WITH AN INTENSE LASER-DRIVEN GAMMA-RAY SOURCE



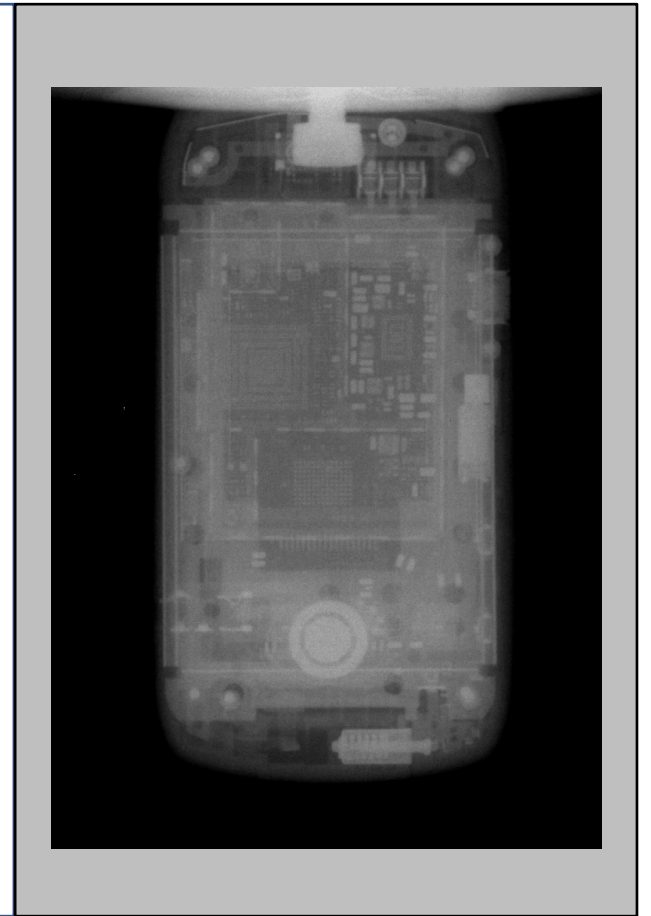
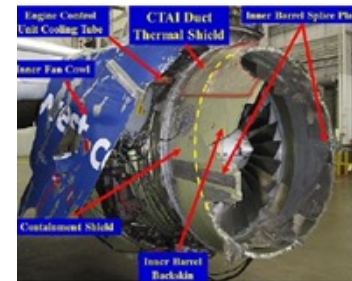
- Higher resolution, directional source improves imaging
- High-value industrial applications, e.g. aerospace
- Global security: detect hidden nuclear material



Microtron 15 MeV, 4x mag



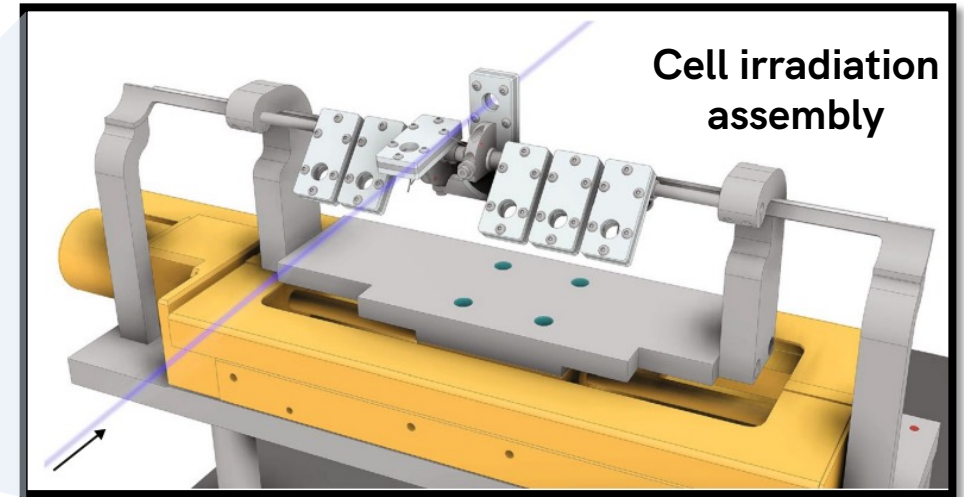
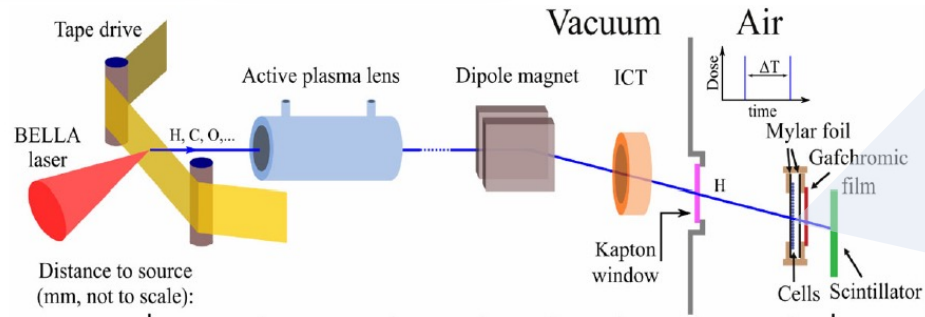
CSU Laser 10 J, 50 fs, 5x mag





# A NEW PLATFORM FOR ULTRA-HIGH DOSE RATE RADIOBIOLOGICAL RESEARCH

## Evaluating the radiobiological effects of laser-accelerated protons



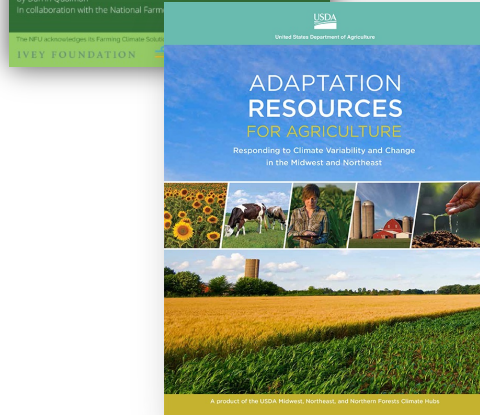
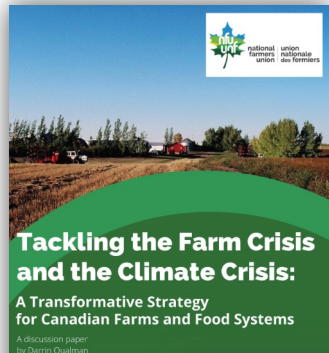
J. H. Bin et al., Sci. Rep. **12**, 1484 (2022).

- Investigate the FLASH-RT effect for improved radiotherapy using laser accelerated protons
- Ultra-high dose rates in in vitro cultures of normal human prostate cells and tumor derived cells studies



# DYNAMICS OF MINERAL NUTRIENT DISTRIBUTION AT THE CELLULAR TO WHOLE-PLANT LEVELS

## Dynamics of mineral nutrient distribution and homeostasis, at the cellular to whole-plant levels

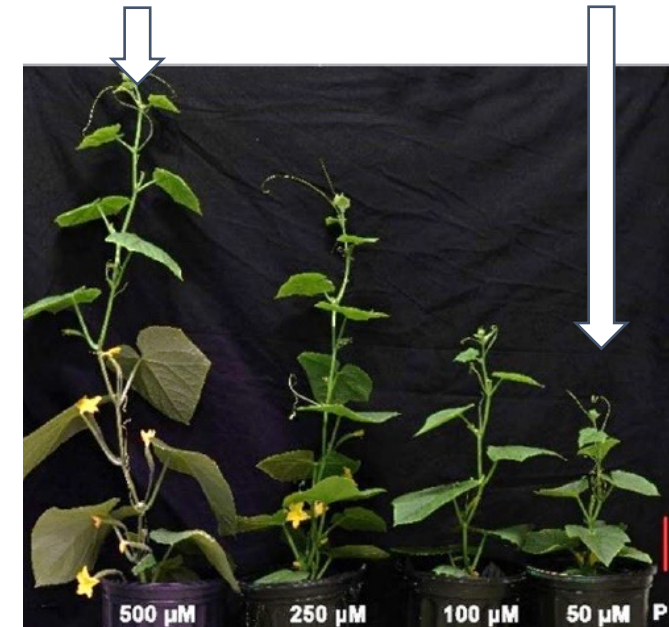


- Crop productivity and resiliency rely on the acquisition and distribution of mineral nutrients to both plant vegetative and reproductive organs
- The overall goal of this research is to establish the real-time changes in the translocation and distribution of mineral nutrient elements, at the cellular to whole-plant levels, under nutrient-limited conditions.
- X-ray absorption (XRA) platform based on Laser Wakefield Acceleration (LWFA).



P-sufficient (500  $\mu\text{M}$ ) conditions

Starvation (50  $\mu\text{M}$ ) conditions



Effect of P levels in the nutrient solution on shoot growth in 4-week-old cucumber plants.



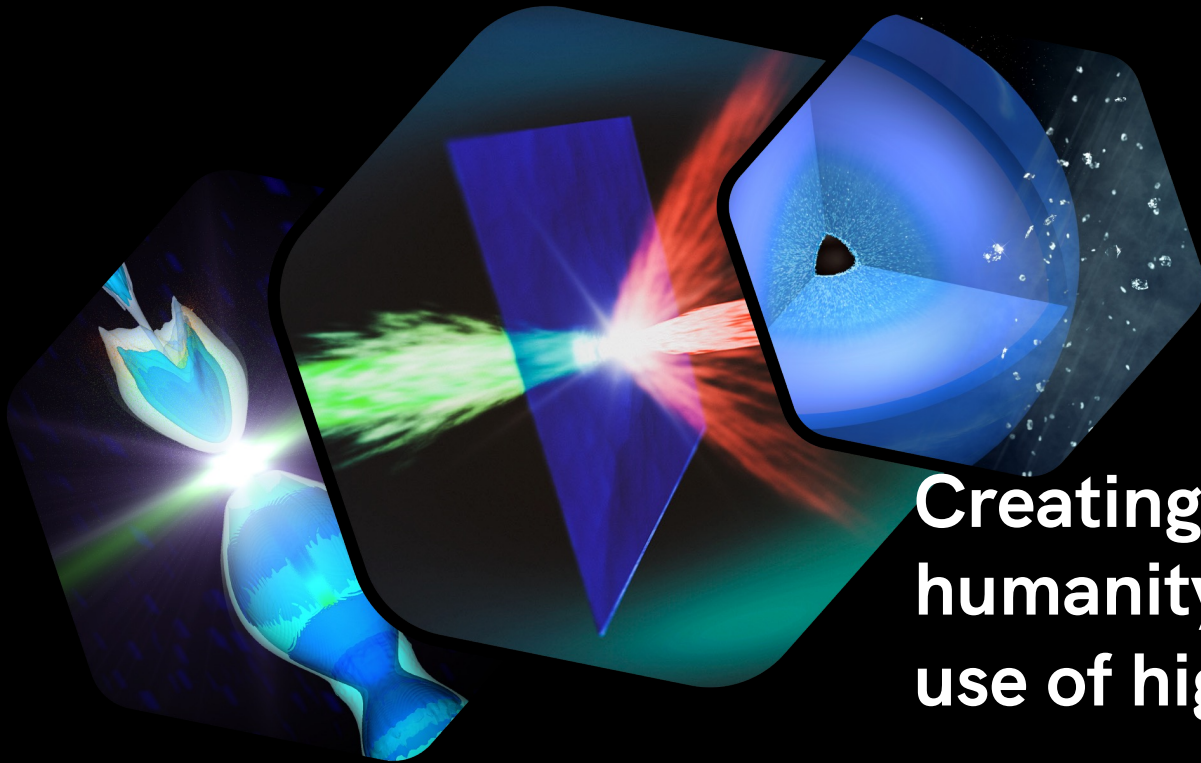
# OUTLOOK

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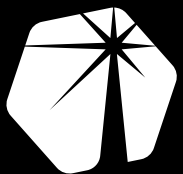
- LaserNetUS is experiencing rapid growth – attracting users from a broad range of topical areas from all around the world
- LaserNetUS is taking a multifaceted approach to attract, provide opportunities, and support student and early career researchers
- We are developing tools and resources to support users from broader communities (e.g. medicine, biology, private industry)
- **Proposals for Cycle 5 are due Dec. 19, 2022 at 4PM PST**

# QUESTIONS?

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**Creating a brighter world and better humanity through the innovation and use of high-intensity lasers.**



**LaserNetUS**



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LaserNetUS

# Proposal Review Process & Overview

## Crafting a Successful Proposal

Arianna E Gleason  
LaserNetUS PRP Chair

*i-USE Webinar on 'How to Write a Successful LaserNetUS Proposal'*  
October 26, 2022



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Science



# Chair Introduction

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Arianna E. Gleason

- @SLAC for over a decade, Adjunct Faculty at Stanford Geoscience Dept. & Mechanical Engineering at University of Rochester; Guest Scientist at LANL & LLNL
- Background in shock physics & HEDS; Ph.D. from UC Berkeley in 2010; Director's/Reines Postdoc Fellow at LANL
- FES Early Career Awardee 2019
- Member of FESAC Long Range Planning Committee & APS-DPP-CPP
- LaserNetUS PRP Chair; other DOE Lightsource PRP member
- LCLS User Executive Committee former member and Chair
- Current panel member for Basic Research Needs/Roundtable Reports @ DOE:
  - FES International Benchmarking 2023
  - FES Inertial Fusion Energy 2022
  - BES Innovations in Nuclear Energy 2022





# The Proposal Review Panel (PRP) is responsible for the evaluation of LaserNetUS proposals for scientific and technical merit

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- The PRP was established as an independent and confidential committee to evaluate LaserNetUS proposals for recommendation for facility time across the 10 institutions
- Best practices are drawn from DOE, NSF, APS, NIF, LDRD and other PRP review processes
- Proposal submission and review has been done with assistance from SLAC

Chair: Arianna Gleason, SLAC/Stanford (Cycles 4,5,6); Tammy Ma, LLNL (Cycles 1,2,3)

Proposal Administrator: Paul Jones, SLAC & LCLS Users' Office

A. Gleason | [ariannag@Stanford.edu](mailto:ariannag@Stanford.edu) | 33



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Science

LaserNetUS Coordinator: Chandra B Curry, SLAC



# The Review Process has 5 stages

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## 1. Pre-Review / Conflict of interest (COI) stage

- PRP members will review a list of proposal titles, PI's, and institutions. COIs will be identified.

## 2. Initial PRP Review Stage

- Each proposal is assigned 3 reviewers; primary and secondary assignments

## 3. Final PRP Review Stage

- Full group discussion and numerical score to rank each proposal
- Re-categorized by facility
- Consensus will be reached by the entire PRP and comments collated for PI feedback

## 4. Facility Feasibility

- The top ranked proposals for each facility will be sent to the Facility Directors for evaluation of technical feasibility

## 5. Final Decisions

- PRP review and Facility Feasibility are integrated to develop a final list of awards



# Review Criteria: Intellectual Merit & Scientific Ecosystem Stewardship

*Merit is most important!*

*Impact is important too!*

## **Originality, Uniqueness, and Scientific Merit**

To what extent does the proposal articulate a fundamental intellectual advance or a fundamentally new approach to expanding knowledge, understanding, or a new capability?

## **Qualifications of the PI and Team**

How well-qualified are the PI and team?

## **Organization and Conception**

In the proposal, how well-organized and presented is the idea? Is the technical approach feasible?

## **Resource Scope**

Is a LaserNetUS laser system required for this experiment?  
To what extent does the proposed work fit within the limits of an experimental slot?

## **Infrastructure Enhancement**

To what extent will the project enhance the scientific, technical or engineering infrastructure of LaserNet ?

## **Impact on the HED Scientific Community & Society**

How broadly will the project impact the scientific and technical HED and high-intensity laser community in the US, and translate to a broad impact on society? Bring new users?

## **Dissemination of Results**

How broad of an audience will the project results be shared with and will the results be interesting enough to garner significant attention?

## **Impact on Workforce**

To what extent will the project attract new talent, develop existing staff, provide mentorship?



# Review Criteria: Intellectual Merit & Scientific Ecosystem Stewardship

*Merit is most important!*

## Originality, Uniqueness, and Scientific Merit

To what extent does the proposal articulate a fundamental intellectual advance or a fundamentally new approach to expanding knowledge, understanding, or a new capability?

## Qualifications of the PI and Team

How well-qualified are the PI and team?

## Organization and Conception

In the proposal, how well-organized and presented is the idea? Is the technical approach feasible?

## Resource Scope

Is a LaserNetUS laser system required for this experiment?  
To what extent does the proposed work fit within the limits of an experimental slot?

Introduction

- Clearly shows and justifies the need to investigate a research
- Presents a set of workable strategies for conducting the proposed research
- Hypothesis-driven proposal narrative & Key-questions
- ***Discovery science & Applied science & Capability/Technical Advancement***

Sci or Tech Case

Exp Details

- To address the research scope, which laser system(s) and why?

Now in Appendix





# Review Criteria: Intellectual Merit & Scientific Ecosystem Stewardship

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Now in Appendix

Sci or Tech Case

Exp Details

- New to lasers?  
Platforms/methods/diagnostics?
  - Let us help you!
  - Reach out to i-USE Committee to ask for resources and guidance



# Review Criteria: Intellectual Merit & Scientific Ecosystem Stewardship

*Impact is important too!*

**Sci Ecosystem & Broad Impact**

- Growth of the community and field
- Cross-collaboration with new fields?
- Student/early career engagement is so important

## Infrastructure Enhancement

To what extent will the project enhance the scientific, technical or engineering infrastructure of LaserNet ?

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# Review Criteria: Intellectual Merit & Scientific Ecosystem Stewardship

*Impact is important too!*

*Please do not just answer yes/no, do not say a few words under each bullet point*

Scientific Ecosystem Stewardship and Broader Impact Character Limit: 2,000  
Workforce development and expanding the scientific ecosystem around the use of high-power lasers are key missions of LaserNetUS. In this section, we would like you to provide context for how the proposed work supports these values.

Questions which may be used in the PRP's evaluation of the proposal:

- Does this **proposal** provide academic or training opportunities to students or early career **researchers**? If so, are the results of the proposed experiments for a thesis project? **YES and YES**
- What is the **intended** audience for these **results**? What is the venue or format that the experimental results will be shared? **Colleagues studying IFE; Conferences and peer reviewed publications**
- Describe how this proposal will increase or **sustain** community interest in the topical area (e.g. follow up experiments, new funding applications/research programs)?
- To what extent does this proposal engage underrepresented groups or institutions?

Other questions you can consider, if applicable:

- Does this proposal engage with a new research group or institution that has not previously been involved with LaserNetUS?
- To what extent will the project enhance the scientific, technical, or engineering infrastructure of LaserNetUS and result in a potential asset for the larger community?
- Is the proposed work from a topical area which has not yet been awarded time through LaserNetUS?
- Is the proposed experiment part of a larger project or program (e.g., NNSA Center of Excellence, Laboratory Directed Research and Development (LDRD), multi-institutional agreements)

## Infrastructure Enhancement

To what extent will the project enhance the scientific, technical or engineering infrastructure of LaserNet ?

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# What to Expect After Proposal Submission?

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**PRP meets in Feb. 2023**

**Response letters with feedback are composed for every submitted proposal to LaserNetUS**

- **Awarded or Declined**

**Announcements to be sent by Mid/Late March 2023**

**Reach out to me: [ariannag@Stanford.edu](mailto:ariannag@Stanford.edu)**

**And/or Chandra Curry: [ccurry@slac.Stanford.edu](mailto:ccurry@slac.Stanford.edu)**





LaserNetUS

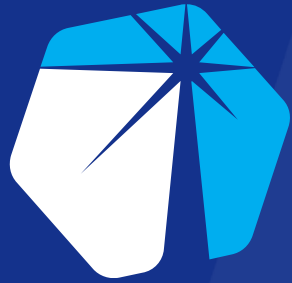
# Writing Resources & Your Next Steps



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# WRITING RESOURCES



LaserNetUS

## Weekly Writing Support I-USE Friday Office Hours

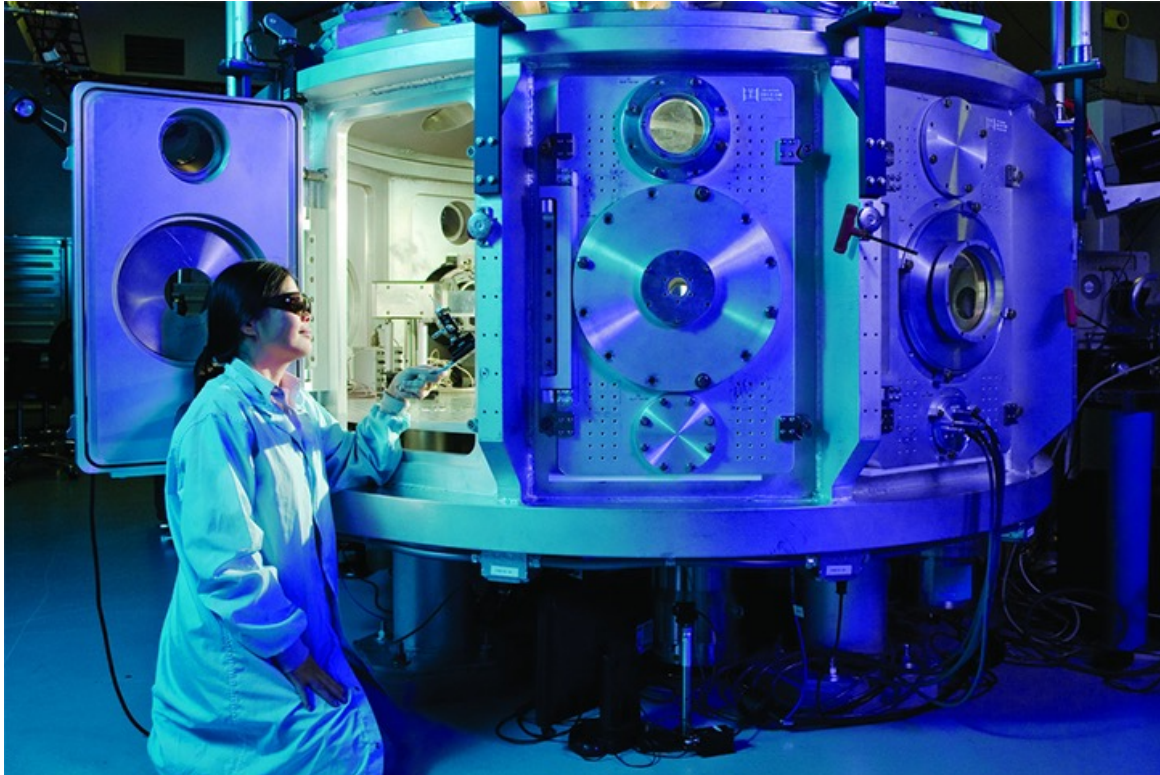


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# WRITING RESOURCES



Drop-In Writing Support Office Hours on Zoom

823 7037 8696

Every Friday, thru Dec 16  
10 am – 12 pm Pacific

Need Help? Not Sure?

**Drop in!**

First office hours is this Friday!

# WRITING RESOURCES



LaserNetUS

## General Proposal Questions

Send these to:

[ccurry@slac.stanford.edu](mailto:ccurry@slac.stanford.edu)



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# Your Next Steps



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# YOUR NEXT STEPS



**LaserNetUS**

## TODAY

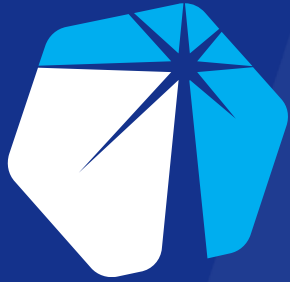
- Watch for email with today's slides
- Review list of facilities on LaserNetUS website
- Reach out to facilities
- Dry run submission



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# YOUR NEXT STEPS



**LaserNetUS**

## THIS WEEK

- Reach out to facilities, including BACKUP facilities
- Watch for email with webinar recording
- General Qs: [ccurry@slac.stanford.edu](mailto:ccurry@slac.stanford.edu)
- General Writing Support: I-USE Friday Weekly Writing Office Hours



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# YOUR NEXT STEPS



**LaserNetUS**

## NOVEMBER

- Write proposal and get support!
- Continue back-and-forth with facilities, including BACKUP facilities
- Attend Virtual Town Hall on Nov. 15 (10am – 12pm Pacific)
- General Qs: [ccurry@slac.stanford.edu](mailto:ccurry@slac.stanford.edu)
- General Writing Support: I-USE Friday Weekly Writing Office Hours



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# YOUR NEXT STEPS



**LaserNetUS**

## DECEMBER

- Write proposal and get support!
- Submit proposal by Dec. 19 @ 4PM
- General Qs: [ccurry@slac.stanford.edu](mailto:ccurry@slac.stanford.edu)
- General Writing Support: I-USE Friday Weekly Writing Office Hours



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# Q&A with Previously Successful Applicants

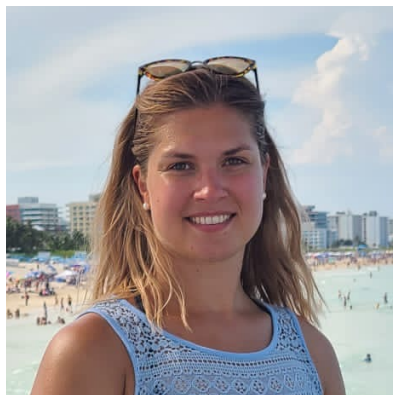


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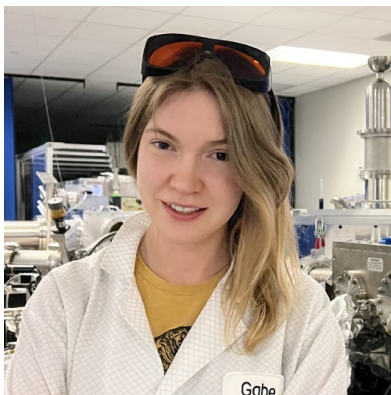


# OUR PANEL



**Ms. Franziska Treffert**

SLAC and TU Darmstadt  
Graduate Student PI



**Dr. Sophia Malko**

PPPL  
Postdoc PI



**Dr. Dean Rusby**

LLNL  
Early Career PI



**Dr. Sven Steinke**

Marvel Fusion  
Industry PI



**Dr. Sasi Palaniyappan**

LANL  
National Laboratory PI

## Moderated by:

- **Dr. Jennifer Elle**  
Air Force Research Laboratory
- **Prof. Scott Feister**  
California State University  
Channel Islands





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# Conclusion



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# THANK-YOU FOR ATTENDING

- To learn about the proposal guidelines visit:  
<https://lasernetus.org/proposal>
- The deadline to submit is Dec. 19, 2022 at 4pm PST.
- If you have questions:
  - General Questions: Email the LaserNetUS Coordinator ([ccurry@slac.stanford.edu](mailto:ccurry@slac.stanford.edu))
  - Or, for Writing Support / Getting Started: Visit I-USE Weekly Friday Office Hours
- Virtual Town Hall for Cycle 5 is Nov. 15, 2022 from 10am-12pm PST