

How to Become a CINT User



PRESENTED BY

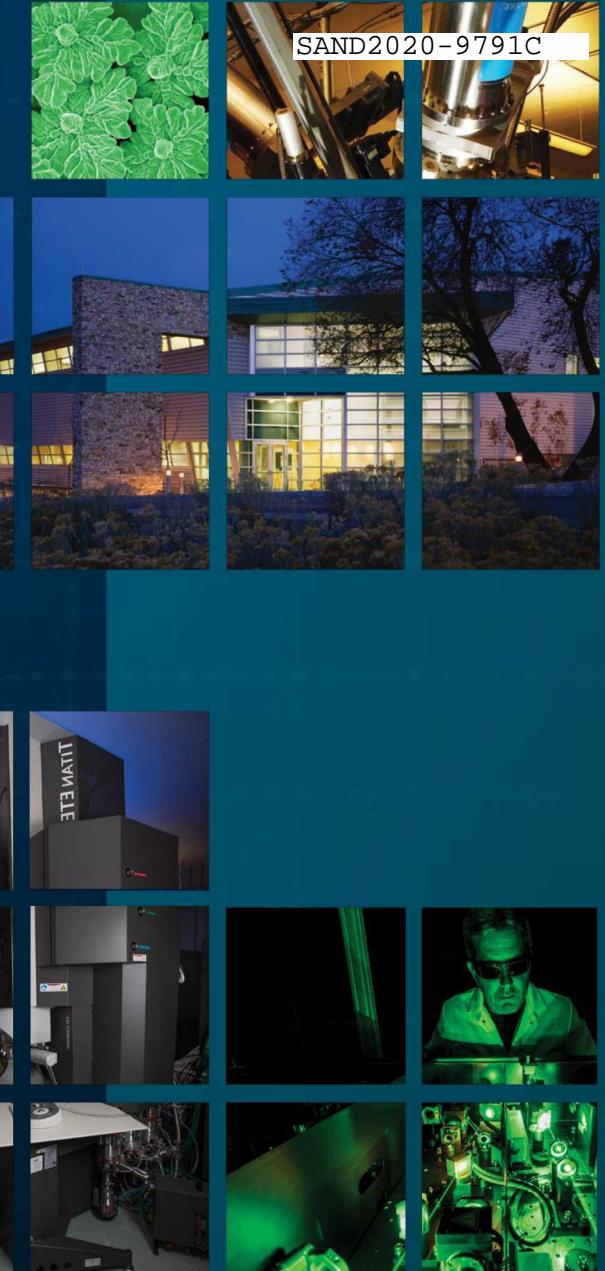
Heather Brown, CINT User Program Manager
2020 CINT Annual User Meeting (Virtual)
September 21-23, 2020



Sandia
National
Laboratories



Sandia National Laboratories is a multimission laboratory managed and operated by National Technology & Engineering Solutions of Sandia, LLC, a wholly owned subsidiary of Honeywell International Inc., for the U.S. Department of Energy's National Nuclear Security Administration under contract DE-NA0003525



COVID Operations Update

Normal operations

Regular Proposals

2 call for proposals annually - March and September

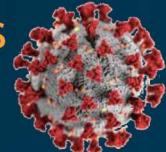
Proposals are active for 18 month

Rapid Access Proposals

Accept outside of regular call months

Proposals active for up to 4 months

2020 Operational Adjustments



Limited on site capacity

Extending our Rapid Access call through February 2021

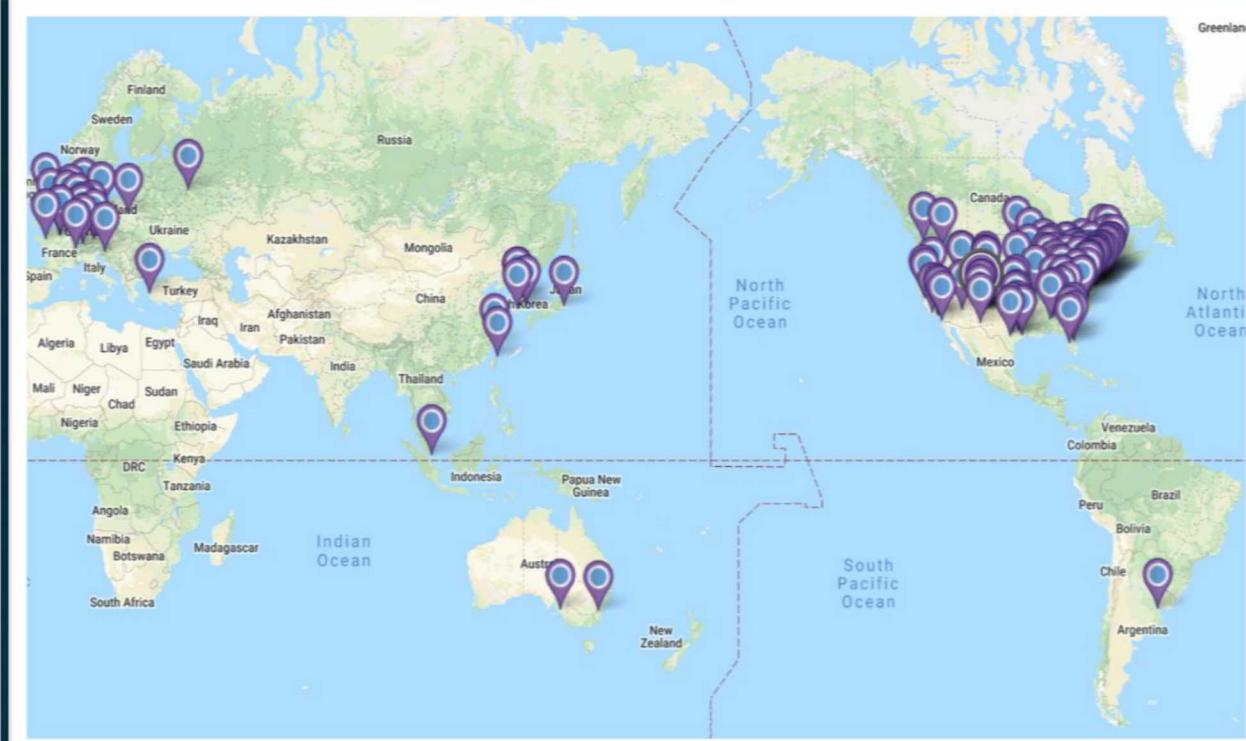
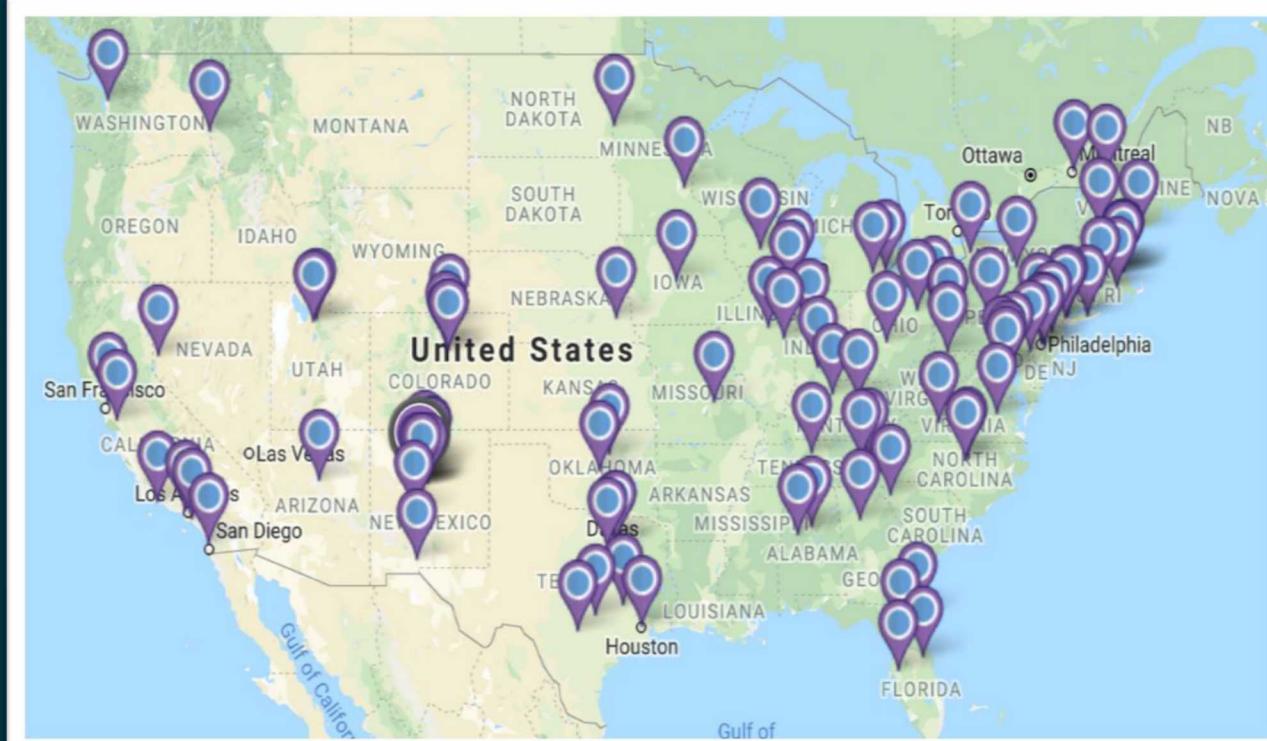
Anticipate our next regular call to be March 1-31, 2021



All proposals submitted online @ <https://cint.sandia.gov/>

CINT hosts users from both domestic and international institutions

CINT offers world-leading capabilities and expertise that serve a diverse User community



Users from **42 of 50 United States**
Projects from **70 International institutions**
within **26 unique foreign countries**

Non-Proprietary Proposal

Publish research results in open technical literature
No-fee access to capabilities and expertise

Proprietary Proposal

Full-cost recovery

Where to begin developing a proposal



The screenshot shows the homepage of the Center for Integrated Nanotechnologies (CINT) website. The header includes the CINT logo, the text 'Center for Integrated Nanotechnologies', the tagline 'Helping you understand, create, and characterize nanomaterials', and the U.S. Department of Energy Office of Science logo. The navigation menu includes links for About CINT, Jobs, search site, HOME, CAPABILITIES, FACILITIES, RESEARCH, BECOMING A USER, PUBLICATIONS, NEWS & EVENTS, and PEOPLE. Below the menu, a 'Capabilities' section is shown, featuring a 'Capabilities Overview' with a sub-section for 'CINT Scientists and Technical Specialists'. It includes a photograph of a scientist working in a lab, a detailed description of CINT's capabilities, and a note about access to other national user facilities. A 'New Capabilities' section at the bottom highlights the 'Quantum Diamond Magnetometry Microscope'.

Use our website to dig into the areas of expertise and capabilities offered

[\(https://cint.lanl.gov/\)](https://cint.lanl.gov/)

Where to begin developing a proposal

Get started by contacting a facility scientist to ask about opportunities for collaboration and to get advice

Facility staff are typically available to:

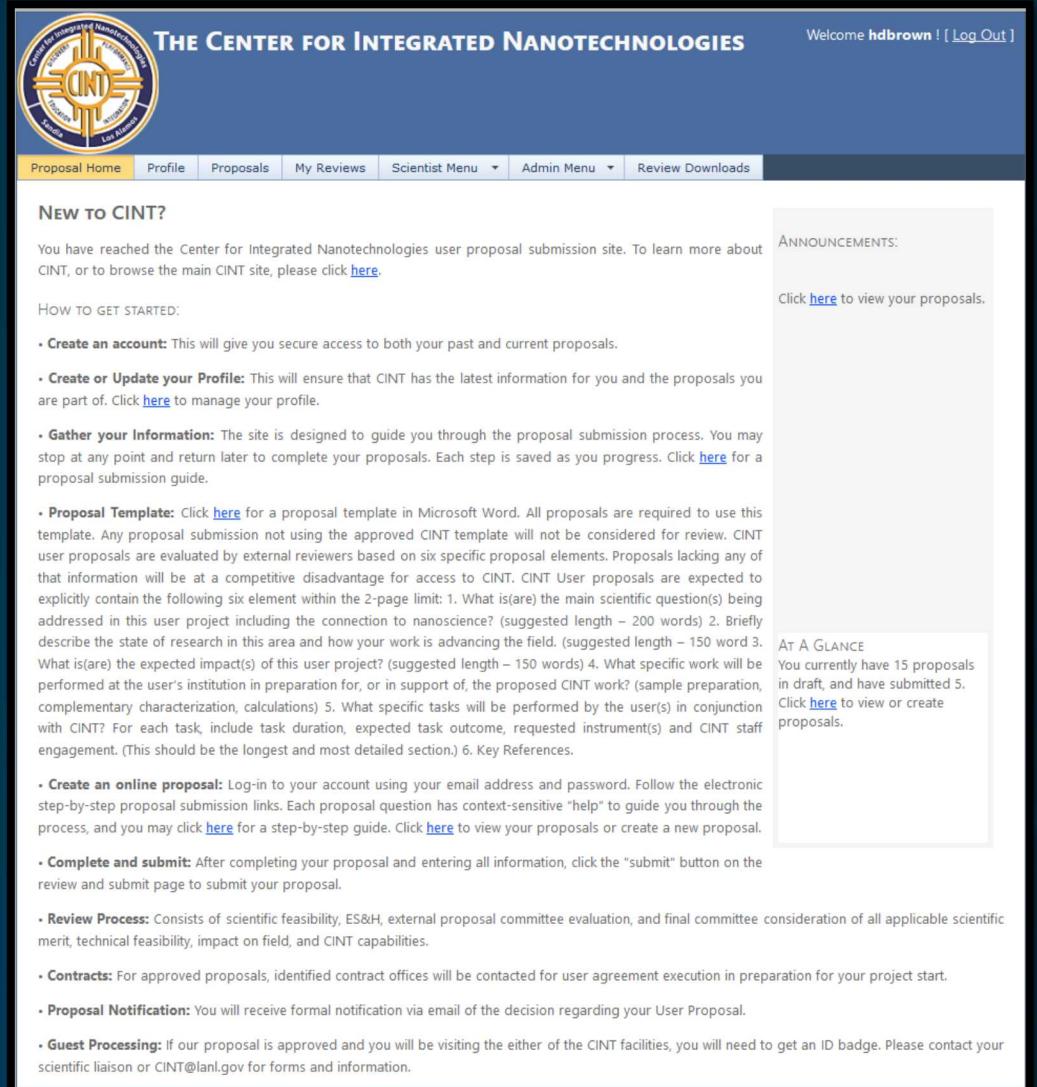
- Provide details about
 - equipment and capabilities
 - availability or subscription rate
 - facility research goals
- Discuss the feasibility of your approach
- Assist in determining why a specific resource is the best choice for your requirements
- Help estimate and justify the amount of time you are requesting



Proposal template

All CINT User proposals are required to use the CINT template and explicitly contain the following six elements within the 2-page limit:

- Main scientific question
- How work is advancing the field of research
- Expected impact(s) of user project
- Specific prep work to be performed at the user's institution
- Specific work to be performed with CINT
- Key References



The screenshot shows the CINT user proposal submission site. The header includes the CINT logo, the text "THE CENTER FOR INTEGRATED NANOTECHNOLOGIES", and a welcome message "Welcome hdbrown! [Log Out]". The navigation bar has links for "Proposal Home", "Profile", "Proposals", "My Reviews", "Scientist Menu", "Admin Menu", and "Review Downloads".

NEW TO CINT?

You have reached the Center for Integrated Nanotechnologies user proposal submission site. To learn more about CINT, or to browse the main CINT site, please click [here](#).

HOW TO GET STARTED:

- **Create an account:** This will give you secure access to both your past and current proposals.
- **Create or Update your Profile:** This will ensure that CINT has the latest information for you and the proposals you are part of. Click [here](#) to manage your profile.
- **Gather your Information:** The site is designed to guide you through the proposal submission process. You may stop at any point and return later to complete your proposals. Each step is saved as you progress. Click [here](#) for a proposal submission guide.
- **Proposal Template:** Click [here](#) for a proposal template in Microsoft Word. All proposals are required to use this template. Any proposal submission not using the approved CINT template will not be considered for review. CINT user proposals are evaluated by external reviewers based on six specific proposal elements. Proposals lacking any of that information will be at a competitive disadvantage for access to CINT. CINT User proposals are expected to explicitly contain the following six element within the 2-page limit: 1. What is(are) the main scientific question(s) being addressed in this user project including the connection to nanoscience? (suggested length – 200 words) 2. Briefly describe the state of research in this area and how your work is advancing the field. (suggested length – 150 word 3. What is(are) the expected impact(s) of this user project? (suggested length – 150 words) 4. What specific work will be performed at the user's institution in preparation for, or in support of, the proposed CINT work? (sample preparation, complementary characterization, calculations) 5. What specific tasks will be performed by the user(s) in conjunction with CINT? For each task, include task duration, expected task outcome, requested instrument(s) and CINT staff engagement. (This should be the longest and most detailed section) 6. Key References.
- **Create an online proposal:** Log-in to your account using your email address and password. Follow the electronic step-by-step proposal submission links. Each proposal question has context-sensitive "help" to guide you through the process, and you may click [here](#) for a step-by-step guide. Click [here](#) to view your proposals or create a new proposal.
- **Complete and submit:** After completing your proposal and entering all information, click the "submit" button on the review and submit page to submit your proposal.
- **Review Process:** Consists of scientific feasibility, ES&H, external proposal committee evaluation, and final committee consideration of all applicable scientific merit, technical feasibility, impact on field, and CINT capabilities.
- **Contracts:** For approved proposals, identified contract offices will be contacted for user agreement execution in preparation for your project start.
- **Proposal Notification:** You will receive formal notification via email of the decision regarding your User Proposal.
- **Guest Processing:** If our proposal is approved and you will be visiting the either of the CINT facilities, you will need to get an ID badge. Please contact your scientific liaison or CINT@lanl.gov for forms and information.

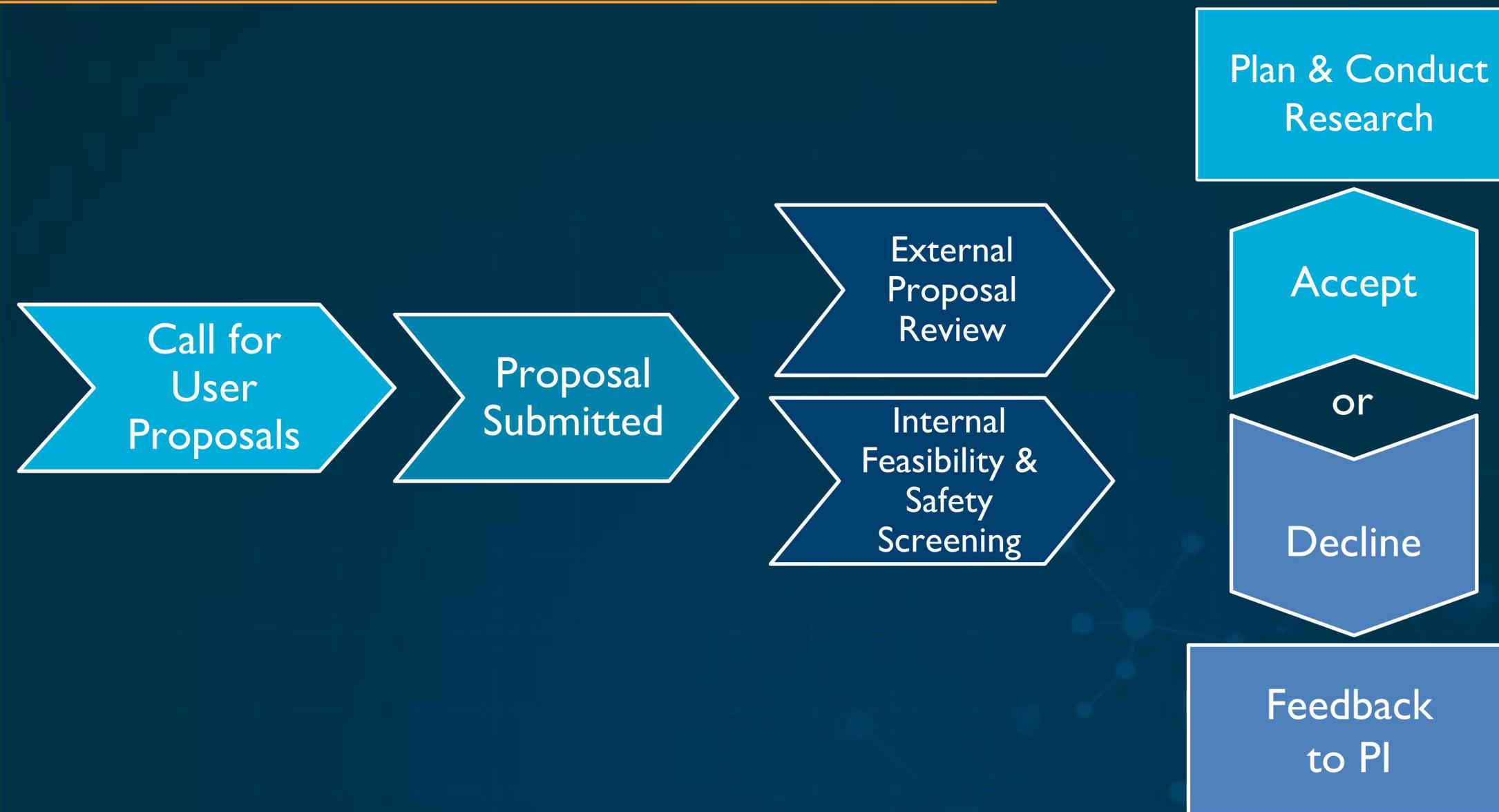
ANNOUNCEMENTS:

Click [here](#) to view your proposals.

AT A GLANCE

You currently have 15 proposals in draft, and have submitted 5. Click [here](#) to view or create proposals.

Proposal Review Process





Execute

Execute facility agreement

Coordinate

Coordinate research with CINT POC

Schedule

Schedule a visit to the facilities

CINT User Executive Committee (UEC)



Erika Vreeland, Chair
Sandia National Laboratories



Siddhartha (Sid) Pathak,
Chair Elect
Iowa State University



Plamen Atanassov
University of
California, Irvine



Tito Busani
The University of
New Mexico



Steven Hayden
Aramco Services Company
Industrial Advisor



Timothy Lambert
Sandia National Laboratories
Internal Lab Representative



Don Lucca
Oklahoma State University



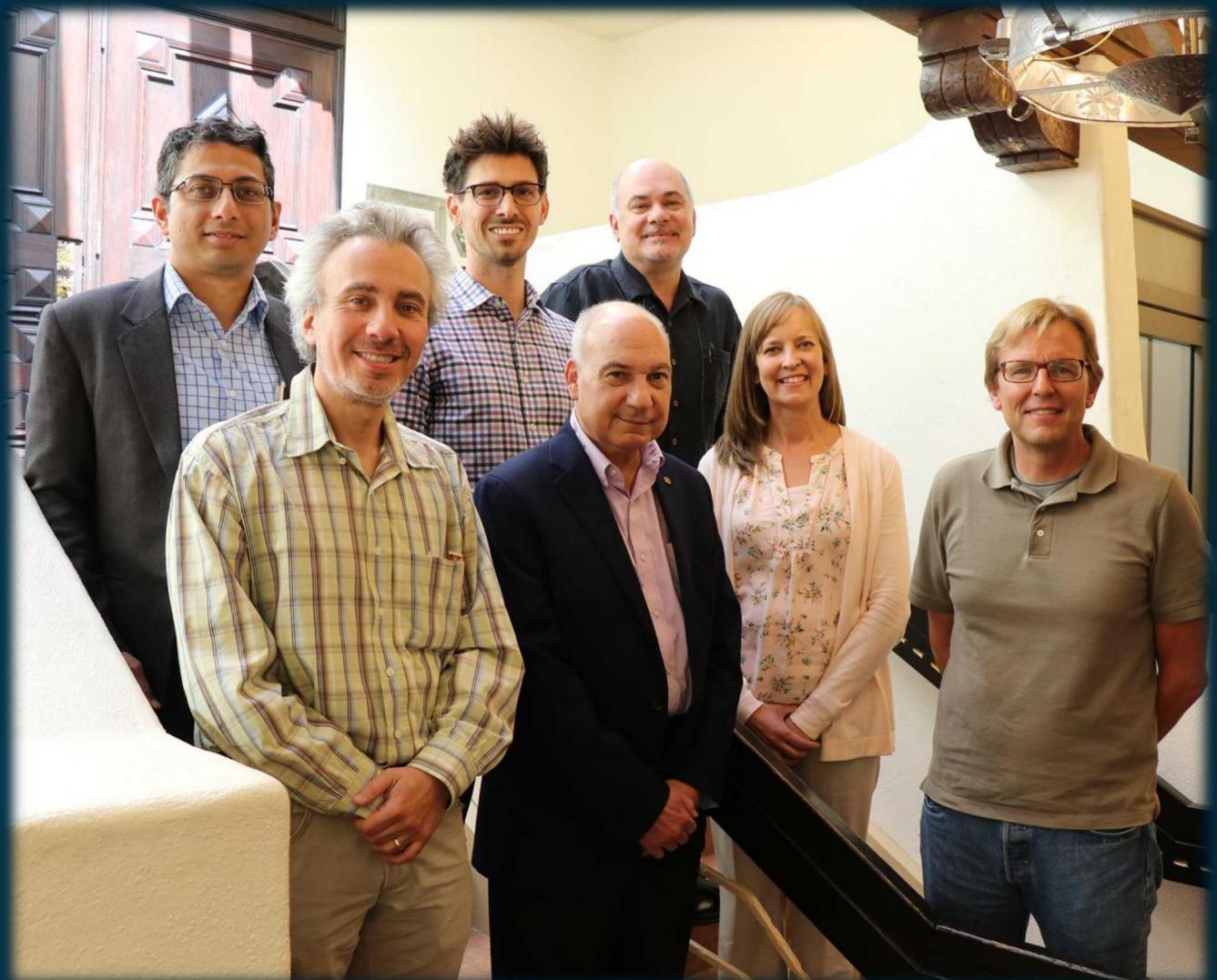
Shalini Tripathi
University of Connecticut
Postdoc Representative



Alan Van Orden
Colorado State University

CINT UEC – User's Voice

- The UEC is an elected body of former and/or current CINT users.
- The UEC provides input from the greater CINT user community and advocates on behalf of facility users to the CINT program management team, regarding:
 - Operations
 - New capabilities
 - Strategic planning
 - Proposal reviewers
 - Quality of the user experience



For more information, please visit our website:

<http://cint.lanl.gov/becoming-user/users-association.php>

Q & A with CINT Program Management Team



Jeff Nelson
Director



Adam Rondinone
Co-Director



Heather Brown
User Program
Manager