



Lam Research Corporation

4650 Cushing Parkway
Fremont, CA 94538 U.S.A.
Main: 1-510-572-0200
lamresearch.com

Lam Research has a long history of supporting higher education and providing gifts to universities around the world in support of research on emerging technologies of interest to the semiconductor manufacturing industry. The Unlock Ideas program, sponsored by the Office of the CTO, promotes innovation and collaboration with global university partners. Since 2015, the annual program has funded 180 proposals relevant to Lam's hardware, software and controls, systems, materials and processes.

We are announcing this year's call for proposals will be open for submission on March 20 – April 28, 2023. We encourage members of Lam's global technical community to submit research proposals in collaboration with university professors. Lam employees may be reaching out to ask questions about your interest and willingness to participate.

The goals of the program are to test feasibility of novel or disruptive approaches for industry challenges and to support fundamental research on emerging technologies related to semiconductor fabrication and manufacturing equipment, and to strengthen our collaborations with university faculty worldwide. The awards provide a monetary donation to the faculty collaborator in the amount of US\$50,000.

This guide provides an overview of the program, some guidelines we've shared with employees, and basic information we will need from you to participate. Thank you for your support and don't hesitate to reach out with any questions or suggestions.

Sincerely,

A handwritten signature in blue ink that reads "Nerissa Draeger".

Nerissa Draeger
Director of Global University Engagements

Nerissa.Draeger@lamresearch.com

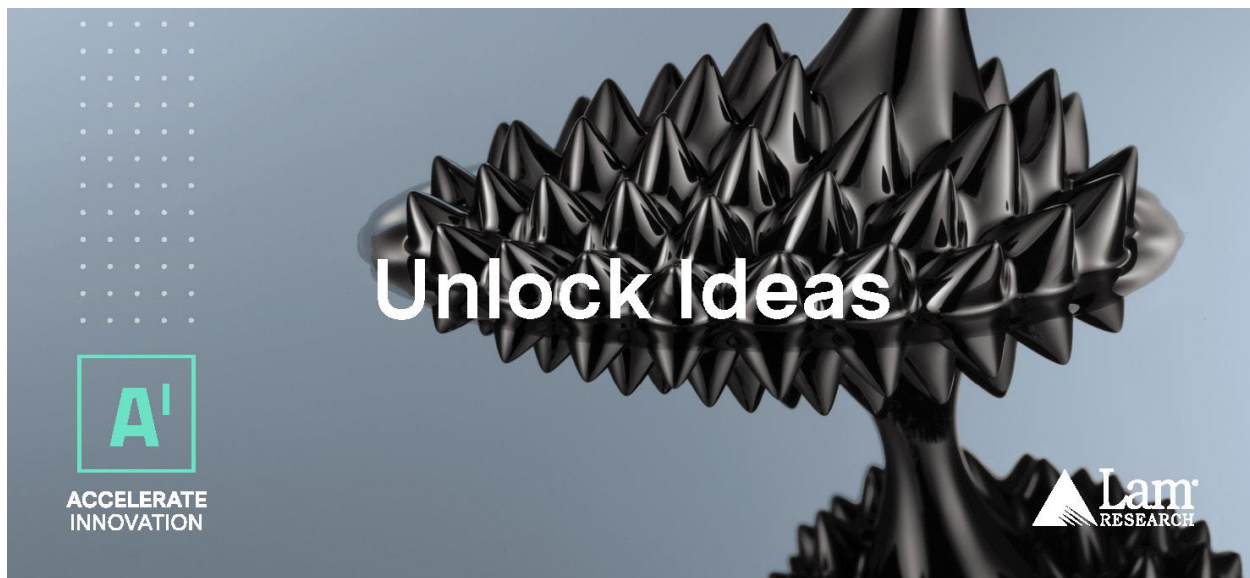
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A handwritten signature in blue ink that reads "Esther Jeng".

Esther Jeng
Sr. Manager of Open Innovation

Esther.Jeng@lamresearch.com

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2023 Guide for Professors

Unlock Ideas provides university donations to test feasibility of new concepts

The Lam global technical community plays an integral role in driving innovation in semiconductor fabrication. We believe that collaboration is key to addressing industry challenges, which is why we build and maintain strong relationships with academic researchers. This year's Unlock Ideas call for proposals will be open March 20 – April 28, 2023. If your collaborative proposal is selected, you could be awarded a monetary donation of US\$50,000 to test the idea.

Unlock Ideas program overview

- In the annual campaign, Lam employees are invited to submit research proposals to be conducted in collaboration with university faculty. The Lam employee is responsible for submitting the proposal, with your participation.
- As part of the proposal, the Lam employee must submit a short abstract that describes the research idea, how it will be tested, and its relevance to semiconductor fabrication and equipment. You will be asked for your input in drafting this document.
- These proposals should involve non-proprietary research and will have no restrictions to publications or intellectual property. No Lam confidential information will be disclosed in discussions about the proposal.
- No overhead fees will be included in the donation.

- If the proposal is selected for an award, Lam employees are expected to interact with you and your research group on a monthly basis to learn of progress. You will be asked to provide a final report at the end of the research project. The Lam employees are also expected to summarize the research results in a poster/presentation to be shared within the Lam community.

Guidelines for submitting a winning proposal

The Unlock Ideas campaign is designed to spur innovation, provide insights on emerging technologies, and advance scientific understanding needed to overcome industry challenges.

Proposals should:

- Include novel or disruptive ideas for addressing semiconductor fabrication or manufacturing equipment challenges.
- Propose experimentation or feasibility testing that Lam is unable to perform quickly or internally.
- Relate to your research interests and existing test capabilities.
- Describe how your expertise is relevant and can be applied to this research.
- Be on non-proprietary topics and suitable for conducting without any restrictions to publication or intellectual property.
- Relate to Lam's product sub-systems, system, software and control, on-wafer process, sustainability, or productivity (including engineering and business processes).

Unlock Ideas submission and award process

Lam employees must submit complete proposals by April 28, 2023. A Lam selection committee will review all proposals and announce awards in the summer. The professors participating with the winning proposals will receive a monetary gift of US\$50,000 in the fall.

Information required from participating professors

- Your contact details (name, phone, email).
- Initial non-confidential discussion with Lam Research employee on your willingness and interest to participate, and on the capabilities of your group and/or facilities to conduct the research.
- Collaboration on a less than 3 page abstract describing the research.
- If awarded, agreement to interact with the Lam employee on a monthly basis to share research progress and to provide a final report summarizing the results.
- If awarded, details on how to provide a gift towards your research:

- Contact name, phone number and email for the university financial administrator or foundation manager.
- Name of entity to whom we will make the donation.
- Banking information for an ACH transfer of the donation amount.
- Verification of the university's taxpayer identification number (e.g., W-9 or W-8BEN-E form)
- Confirmation of any required governmental approval to receive research donation funding from a U.S. corporation (for example, FCRA certificate in India)
- Any additional documentation to ensure that the gift flows to you as the principal investigator.
- If awarded, we require a signed research donation letter indicating acceptance of the award. The letter will include the following language.

At Lam, we take compliance with anti-corruption laws and ethical conduct and values seriously and we seek to collaborate with universities that share the same principles. Although Lam understands that the Donation will not influence the Recipient's academic freedom and ability to conduct the Research, by accepting this Donation, Recipient will ensure that the Donation and Research will be carried out in a legal and ethical manner in compliance with the standard policies and procedures of Recipient's University.

No goods or services have been or will be expected in exchange for the Donation and we encourage you to share the results of the Research through publication or presentation. Lam looks forward to reviewing the Research results through future discussions and we request that you acknowledge the support of the "Lam Research Corporation" in any publications that result from the Research funded by this Donation. By accepting this Donation, you acknowledge and confirm that you will ensure compliance with all applicable laws and regulations and will only use the Donation for purposes of the Research.

During the collaboration, we kindly request your referrals for students who may be interested in an internship or full-time position at Lam.

Thank you for your interest in participating in Lam's Unlock Ideas campaign. If you have questions, please discuss them with the Lam Research employee who contacted you. For additional information about Unlock Ideas and other university engagements you may contact Esther Jeng at Esther.Jeng@lamresearch.com.