

NCCAUS 2023 Technical Symposium

“Research & Development Enabled by our National Laboratories”

MEETING DATE: February 9, 2023

TIME: 10:00 a.m. – 6:00 p.m. (PST) [TIMEZONE CONVERTER](#)

LOCATION: Fremont Marriott Silicon Valley (**FREE PARKING AT HOTEL**)
46100 Landing Pkwy.
Fremont, CA 94538

FREE TO ATTEND!
[REGISTER HERE!](#)

[Event Sponsors:](#)



Agilent Technologies



Held in Conjunction with the
NCCAUS 43rd Annual Equipment Exhibition
TIME: 10:00 a.m. – 6:00 p.m. (PST) [TIMEZONE CONVERTER](#)

Student Poster Session
TIME: 3:30-5:30 p.m. (PST) [TIMEZONE CONVERTER](#)

Details available on any User Group Announcement Page: <https://nccavs-usergroups.avs.org/>

NCCAUS Health & Safety Plan

REQUIREMENTS

Face Masks Highly Recommended: An acceptable mask is made of at least two layers of breathable fabric or hospital grade material; fully covers the nose, nostrils, and mouth; fits firmly under the chin; and fits snugly, but comfortably against the side of the face.

Social Distancing: Be mindful of the social distance protocols and compliant with all posted instructions and signage. During meal service please keep your distance and use the many tables located throughout the exhibit and adjoining hallways and entry area.

The Northern California Chapter of the AVS will convene its 2023 Annual Technical Symposium around the topical theme of *“Research & Development Enabled by Our National Laboratories”*. The Symposium will be held in person at the Fremont Marriott Silicon Valley in conjunction with the NCCAUS Annual Equipment Exhibition and Student Poster Session.

AGENDA

10:00 a.m. Opening Remarks: Donley Henson, NCCAUS Chapter Chair.

10:10 a.m. Breakthroughs at the National Ignition Facility: Targets for Ignition, Michael Stadermann, Lawrence Livermore National Laboratory

11:15 a.m. Development of NEG Coating for Narrow Aperture Vacuum Chambers, Sol Omolayo, Lawrence Berkeley National Laboratory.

12:00-1:30 p.m. Lunch and Vendor discussions.

1:30 p.m. Compact Multi-beam Radio-frequency Linear Ion Accelerators for Material Processing, Qing Ji, Lawrence Berkeley National Laboratory.

2:15 p.m. Conceptual design for the Matter in Extreme Conditions Upgrade (MEC-U) Facility, Corey Hardin, SLAC National Accelerator Laboratory

3:15 p.m. An Economical ALD Development Reactor for University and National Labs, Jacob A. Bertrand, PhD, Maxima Sciences LLC

4:15 p.m. Photo-induced Force Microscopy (PiFM) Enabling Characterization of CAR and EUV Resists, Patrick O'Hara, Molecular Vista, Inc.

3:30-5:30 p.m. Break – Snacks and Beverages.

3:30-5:30 p.m. Student Poster Session

The symposium will provide an international forum for academic researchers, industrial practitioners and engineers from around the world for the exchange of information on state-of-the-art research. The NCCAUS promotes the exchange of opportunities, ideas, friendly relationships and research collaboration.

FREE TO ATTEND!

[REGISTER HERE!](#)

All presentations will be posted on the NCCAUS Users Groups Proceedings webpage within 2 weeks following the meeting.

NCCAUS 2023 Technical Symposium - Program Committee

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Chris Malocsay (Equipment Exhibition Chair and Technical Symposium Chair, chris_malocsay@avs.org)

Donley Henson (Vice Chair)

Zoran Misetic (Past-Chair)

Mehmet Baykara

Cesar Clavero

Michael Current (JTG)

Susan Felch (JTG)

David Hansen (CMPUG)

Michael Oye (TFUG)

Daphne Pappas (PAG)

Paul Werbaneth (TFUG)

Mayu Yamamura (TFUG)

Sponsorship Opportunities

If you would like to sponsor any 2023 User Group meeting, please check out our “NCCAUS Marketing/Sponsorship” opportunities at:

[NCCAUS User Groups Marketing Opportunities](#)