



PFEIFFER

VACUUM+FAB SOLUTIONS



ScandiNova

Welcome Session: Workshop Information

Aug 27-29, 2025

Frontiers in Ultrafast Scattering of Electrons (FUSE) Workshop 2025

SLAC NATIONAL
ACCELERATOR
LABORATORY

Stanford University | U.S. DEPARTMENT OF ENERGY

Workshop Agenda: Wed Aug 27

Session	Times	Topic	Chair	Location
	8:00 - 8:30am	Coffee		Redwood ABCD
1A	8:30 - 9:30am	Welcome	Joel England	Redwood ABCD
	9:30 - 10:00am	Coffee		Redwood ABCD
1B	10:00am - 12:30pm	Facilities	Stephen Weathersby	Redwood ABCD
	12:30 - 2:00pm	Lunch		Redwood ABCD
1C	2:00 - 4:30pm	Gas & Liquid UED	Yusong Liu	Redwood ABCD

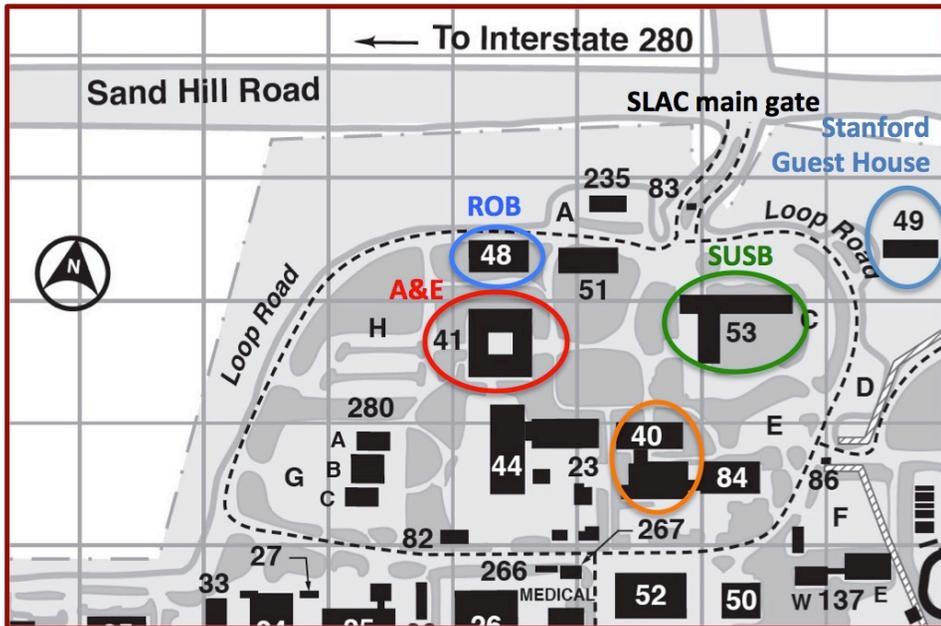
Workshop Agenda: Thur Aug 28

Session	Times	Topic	Chair	Location
	8:00 - 8:30am	Coffee		Redwood ABCD
2A	8:30 - 10:30am	Solid State/Quantum	Alex Reid	Redwood ABCD
	10:30 - 11:00am	Coffee		Redwood ABCD
2B	11:00am - 1:00pm	Electron Sources	Fuhao Ji	Redwood ABCD
	1:00 - 2:30pm	Lunch		Provided
2C	2:00 - 4:30pm	Supporting Tech	Cameron Duncan	Redwood ABCD
	4:30 - 6:30pm	Poster Session		SUSB - Building 53 Lobby
	6:30 - 8:30pm	No-host Dinner		Dutch Goose Restaurant

Workshop Agenda: Fri Aug 29

Session	Times	Topic	Chair	Location
	8:00 - 8:30am	Coffee		Redwood ABCD
3A	8:30 - 10:00am	Materials in Extremes	Mianzhen Mo	Redwood ABCD
	10:00 – 10:30am	Coffee		Redwood ABCD
3B	10:30am – 12:00pm	Cross-Cutting Science	Ming-Fu Lin	Redwood ABCD
3C	12:00 – 12:30pm	Closeout - Adjourn		Redwood ABCD
		Lunch		On Your Own
	2:00 - 5:30pm	Advisory Board	Pietro Musumeci	Sonoma Room

Room & Building Locations



Building	Event	Room
48 (ROB)	Workshop Sessions	Redwood, 112
53 (SUSB)	Poster Session	Lobby
41 (A&E)	Advisory Board (Closed Door)	Sonoma, 2162

Helpful Information

Breakfast:

Coffee and snacks will be served with the morning breaks. The Guest House also provides complimentary breakfast for guests.

Lunch:

Lunch will be provided for registered attendees. Others are welcome to visit the SLAC Cafe in Building 53. Restaurants can also be found within walking distance at the nearby Sharon Heights shopping center located at 325 Sharon Park Dr.

Wi-Fi Access:

Visitor network should be accessible from most areas at SLAC; no password needed; you will be prompted to enter your name and email on first login.

EDUroam is also available for those who have login credentials for this.

Parking:

For those who are driving and parking on site, any spaces not marked as reserved for handicapped, government vehicles, or other uses may be used. No permits are required.

No-Host Dinner at Dutch Goose

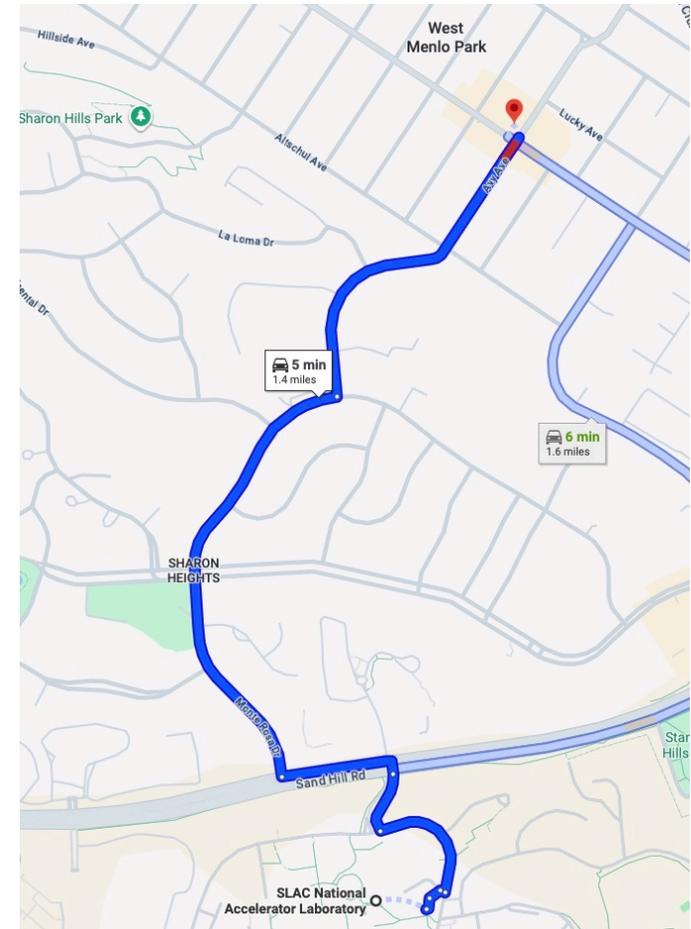
Time: Thursday 6:30-8:30pm

Location: 3567 Alameda de las Pulgas, Menlo Park, CA

Please consider riding with other workshop attendees to reduce traffic
Attendees may hail a rideshare or cab for pickup at the Guest House



SLAC



QR Codes (See back of Registration Card)



Workshop Agenda (Indico)



Building & Room Locations



Visitor Wi-Fi Instructions

Guidance for Presenters

1. You may use your own laptop to present your talk. A loaner laptop will be made available for those who do not have one.
2. Please provide a copy of your talk to the session chair for posting on the workshop Indico page.
3. The Indico page will be public. If you do not wish your talk to be included, please let us know.
4. If your talk contains unpublished or sensitive information, please consider providing a version suitable for public distribution.

Workshop Charge to Session Chairs

1. Please complete the attached quad chart for your session, outlining relevant issues and future outlook in this topic area.
2. The quad charts will be reviewed in the Workshop Closeout on Friday.
3. Following the conclusion of the workshop, session chairs are asked to prepare a short (1 to 2 page) summary of their session.
4. The organizing committee will compile the session reports into a workshop report which will be made publicly available.

Quad Chart for Workshop Session:

Problem Statement

- What are the primary mechanisms of interest in the topical area for this session, and what are the motivations for pursuing them?
- What instrument parameters (e.g. spatial, temporal, and q-space resolution) are most relevant to this area?

Current State of Research

- What are the promising ongoing efforts you see in this field?
- What are existing challenges and bottlenecks?

Supporting Capabilities

- What promising new or ongoing efforts do you see in instrument and machine development that have potential to increase the capabilities of UED facilities?
- What are the main technical challenges?

Impact

- What do you see as the critical R&D needed to advance state of the art of UED facilities in this topical area over the next 5 to 10 years?
- What challenges must be addressed in order to meet these needs?