

# Welcome

**Accelerator Driven HEDP Workshop**

**October 26-29, 2004**

## Revised agenda -- Tuesday and Wednesday

Tuesday, October 26, 2004 (Building 71 Conference Room)

8:30 Coffee and donuts

9:00 Welcome, Logistics, and Working Group Membership -- Ed Lee

9:20 Motivation -- Grant Logan

9:50 Experiments, Science, and User Requirements -- Dick Lee  
(35 min talk + 5 min discussion)

10:30 Coffee Break

10:50 Accelerator and Final Requirements -- John Barnard  
(25 min talk + 5 min discussion)

11:20 Source Issues -- Joe Kwan (25 min talk + 5 min discussion)

12:00 Lunch at meeting place

1:00 rf - status and working group plan -- John Staples  
(35 min talk + 5 min discussion)

1:40 multi-gap accelerator - status and working group plan -- Dick Briggs  
(35 min talk + 5 min discussion)

2:20 single-gap accelerator - status and working group plan -- Craig Olson/  
Paul Ottinger (35 min talk + 5 min discussion)

3:00 Coffee Break

3:20 Final focus/drift compression concepts -- Ed Lee  
(35 min talk + 5 min discussion)

4:00 Initial working group break out meetings

5:30 End of day

Wednesday, October 27, 2004

9:00 Working group meetings

10:30 Coffee break/intergroup discussions

11:00 Resume working group meetings

12:00 Lunch/intergroup discussions

1:00 Resume working group meetings

3:30 Coffee break/intergroup discussions

4:00 Status report: Experiments

4:15 Status report: rf

4:30 Status report: multi-gap

4:45 Status report: single-gap

5:00 Status report: final focus/drift comp

5:15 End of Day

## Revised Agenda -- Thursday and Friday

Thursday, October 28, 2004

9:00 Working group meetings  
10:40 Coffee break/intergroup discussions  
11:00 Resume working group meetings  
12:00 Lunch  
1:00 Resume working group meetings  
3:30 Coffee break/intergroup discussions  
4:00 Resume working group meetings  
5:30 End of day

Friday, October 29, 2004

9:00 "Overview of the National Task Force Review on High Energy Density Physics"-- Ron Davidson  
9:40 Status report/assignments: Experiments  
10:10 Status report/assignments: rf  
10:40 Coffee break  
11:00 Status report/assignments: multi-gap  
11:30 Status report/assignments: single-gap  
12:00 Status report/assignments: final focus/drift comp  
12:30 Final discussion  
1:00 Meeting ends/ lunch on your own

## **Results of workshop will be summarized in a workshop proceedings**

### **Outline:**

- I. Introduction**
- II. Scientific and experimental objectives of Accelerator Driven High Energy Density Physics**
- III. rf-driven accelerator concepts**
- IV. Pulse power driven accelerator concepts**
  - a. Single diode architectures**
  - b. Multiple gap architectures**
- V. Final-focus and drift compression concepts**
- VI. Conclusion**

### **Appendices:**

- i. Specific subtopics (~1 page, contributed by workshop attendees)**
- ii. ....**

**Sections I - V will be pulled together by working group chairman, receiving contributions (paragraphs to pages) from working group participants. Significant subtopics will be appended to the document.**

**Contributions from participants will be due in 2 weeks (Fri. Nov. 12, 2004)**

**Chapter summaries are due to Grant Logan on Friday, Dec. 3, 2004.**

**Special shuttle bus service (one bus morning, one bus evening) will be available (easiest choice by far for those staying in hotels)**

**Special shuttle bus schedule below:**

	Bus leaves: Shattuck Plaza Hotel	Hotel Durant	Bus arrives: Bldg 71 LBNL	Meeting starts:
Tuesday	7:45 am	8:00 am	8:15 am	8:30 am
Wednesday	8:15 am	8:30 am	8:45 am	9:00 am
Thursday	8:15 am	8:30 am	8:45 am	9:00 am
Friday	8:15 am	8:30 am	8:45 am	9:00 am

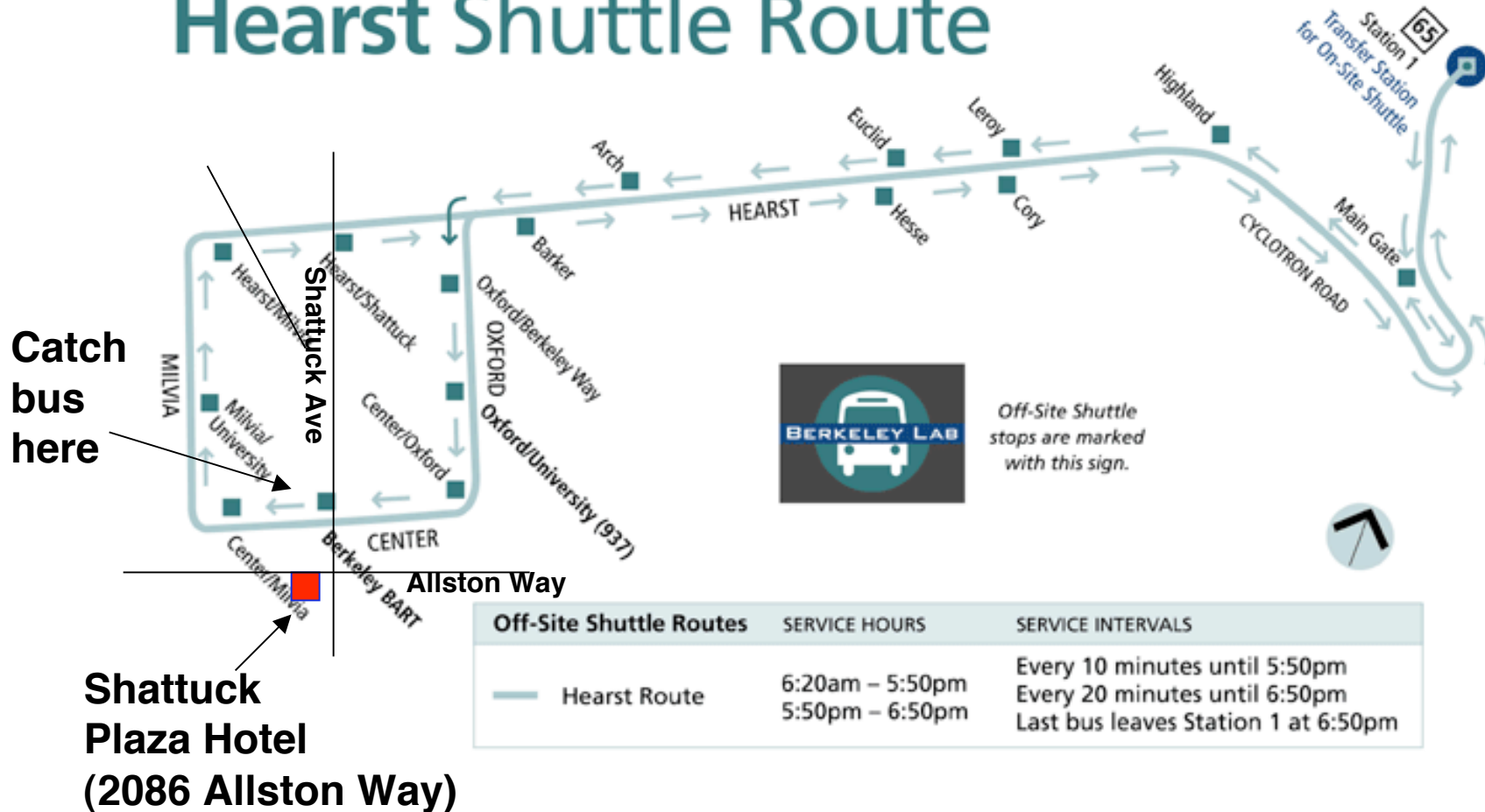
**If you miss this special shuttle bus service: regular Berkeley lab off-site and on-site shuttle bus will also be running (see next three viewgraphs)**

	Meeting ends for the day at LBNL:	Bus leaves Bldg. 71	Bus arrives: Shattuck Plaza Hotel	Bus arrives: Durant Hotel
Tuesday	5:30 pm	5:45 pm	6:00 pm	6:15 pm
Wednesday	5:15 pm	5:45 pm	(No service)	
Thursday	5:30 pm	5:45 pm	6:00 pm	6:15 pm
Friday	1:00 pm	1:15 pm	1:30 pm	1:45 pm

Bus to restaurant only (for people staying in hotels) on Wednesday evening; car pool to Durant Hotel (if needed) after dinner

Regular Berkeley Lab off-site buses can be used if you miss special hotel shuttles; show bus pass to driver to board bus

## Hearst Shuttle Route



# For Hotel Durant guests, Berkeley Lab bus on Bancroft most direct

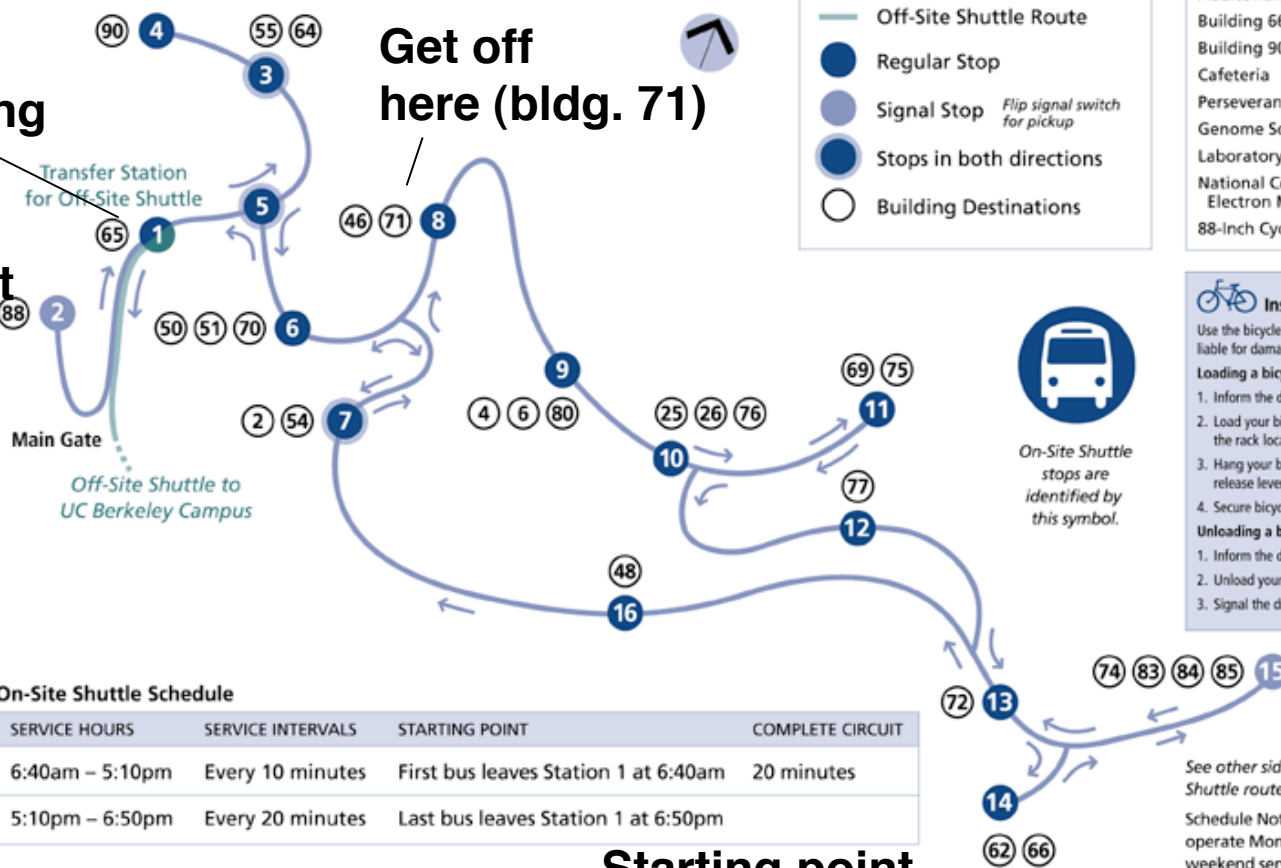
## New Bancroft Route



For those using one of the LBNL off-site buses (not the special hotel shuttle), transfer to an “on-site” bus (or walk) to bldg. 71

## On-Site Shuttle Route

Starting point  
(from  
Hearst  
bus)



MAP KEY	
<span style="color: blue;">—</span>	On-Site Shuttle Route
<span style="color: green;">—</span>	Off-Site Shuttle Route
<span style="color: blue;">●</span>	Regular Stop
<span style="color: lightblue;">●</span>	Signal Stop <i>Flip signal switch for pickup</i>
<span style="color: blue;">●</span> <span style="color: blue;">→</span>	Stops in both directions
<span style="border: 1px solid black; border-radius: 50%; padding: 2px;"> </span>	Building Destinations

DESTINATION	BLDG#	STOP#
Advanced Light Source	6	9
Auditorium	50	6
Building 66 Auditorium	66	14
Building 90 Offices	90	4
Cafeteria	54	7
Perseverance Hall	54	7
Genome Sciences Laboratory	84	15
Laboratory Directorate	50	6
National Center for Electron Microscopy	72	13
88-Inch Cyclotron	88	2

**Instructions for Bicyclists**

Use the bicycle rack at your own risk. Berkeley Lab is not liable for damage to your bicycle.

**Loading a bicycle**

1. Inform the driver that you are loading a bicycle.
2. Load your bicycle as quickly and safely as possible onto the rack located in the rear of the bus.
3. Hang your bicycle by the rear wheel in case quick release levers are not tight.
4. Secure bicycle with the tie cord.

**Unloading a bicycle**

1. Inform the driver that you will be unloading a bicycle.
2. Unload your bicycle as quickly and safely as possible.
3. Signal the driver that your bicycle has been unloaded.

### On-Site Shuttle Schedule

SERVICE HOURS	SERVICE INTERVALS	STARTING POINT	COMPLETE CIRCUIT
6:40am – 5:10pm	Every 10 minutes	First bus leaves Station 1 at 6:40am	20 minutes
5:10pm – 6:50pm	Every 20 minutes	Last bus leaves Station 1 at 6:50pm	

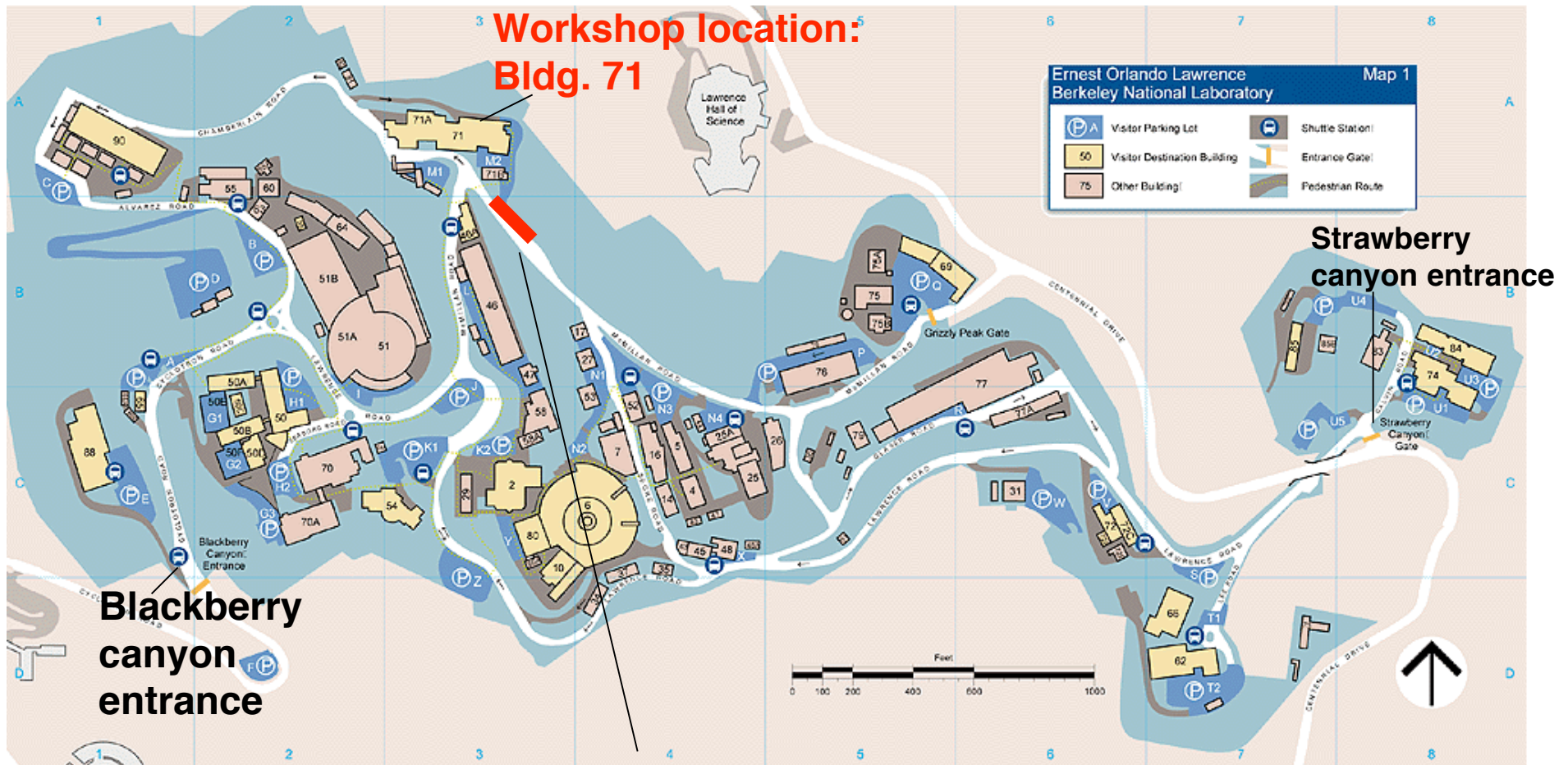
Starting point  
(from Bancroft bus)

See other side for information on Off-Site Shuttle routes and schedules.

Schedule Note — Berkeley Lab shuttle buses operate Monday through Friday. There is no weekend service.



**For those driving their cars on-site, stop at gate to get parking pass**



**For those who have requested parking in advance, a very limited number of special parking spaces are available alongside road next to building 71**

## Meeting rooms

**Bldg. 71 Main conference room (55 people max)**  
**Plenary meetings and subgroup 1 meeting room**  
**Refreshment will be served here**

**71B - 290 (25 people max)**  
**Overflow of plenaries (videoconferenced from main)**  
**Subgroup 4 meeting room**

**71 - 233 Subgroup 2 meeting room**

**71 - J Subgroup 3 meeting room**

**71-280 (library) - computer room /**  
**(Single diode working group as needed)**

## Working groups

1. experiments/diagnostics (Dick Lee, John Barnard, chairs)  
(Bldg. 71 Main conference room)
2. rf acceleration (John Staples, Andy Sessler, chairs) (71-233)
3. pulsed power acceleration (multiple-gaps and single diodes)  
(Dick Briggs, Alex Friedman, chairs) (71-J)
4. final focus/drift compression (Ed Lee, Simon Yu, chairs)  
(71-B, 290)

## Restaurant is located at University and Shattuck. Reservation is for 6 pm tonight.

★ 2025 Shattuck Ave Berkeley, CA 94704-1116, US [Hotel Offers](#) - [Flight Deals](#)

Street Map

[Print](#) | [E-Mail](#) | [Download to PDA](#) | [New I](#)

