



FATIMA 4th Annual Review
Naval Postgraduate School, Monterey, CA
20-21 February, 2025



Thursday, 20 February, 2025

50	7:40 AM	Check-in/breakfast in Reed Hall Room 102	
5	8:30 AM	Qing Wang/Ryan Yamaguchi, NPS	MISC announcements and meeting arrangements
5	8:35 AM	Kevin Smith, Vice Provost NPS	Welcome remarks
10	8:40 AM	Dan Eleuterio, ONR	ONR program manager remarks
Chair: Dave Ortiz-Suslow (NPS)			
35	8:50 AM	Joe Fernando, UND	Whither Fatima: Year 4 Progress
25	9:25 AM	Eric Pardyjak, UofU	Overview and updates of UofU Fatima activities
25	9:50 AM	Qing Wang, NPS	NPS activity and progress update, vertical variation of fog
25	10:15 AM	Coffee break	
Chair: Sen Wang (UND)			
25	10:40 AM	Lian Shen, UMN	Innovative L^3 and Site-Specific Simulations of Marine Fog Dynamics over the Grand Banks
25	11:05 AM	Clive Dorman, UCSD/SIO	July 2022 Sable Island Synoptic Relationships to Fog Events
20	11:30 AM	KI Change, GeoSR	Sea fog occurrence at Heuksando island in the Yellow Sea
70	11:50 AM	Lunch at the NPS Foundation Cottage	
Chair: Anne Dowling (UND)			
20	1:00 PM	Sasa Gabersek, NRLMRY	Marine Fog Forecasting: Overview and lessons learned
20	1:20 PM	Seok Lee, KIOST	Tidal mixing process in the Yellow Sea coastal area
20	1:40 PM	Anne Dowling, UND	Coastal Influences on Boundary Mixing in the Yellow Sea
20	2:00 PM	Jae Hak Lee, GeoSR	Ocean mixing in the Yellow and East China Seas
20	2:20 PM	Ismail Gultepe, OntTechU	Microphysics of fog and parameterizations
20	2:40 PM	Karlie Rees, UofU	An investigation of the relationship between spectral codimension and marine fog processes
20	3:00 PM	Coffee break	
Chair: Alexei Perelet (UofU)			
20	3:20 PM	Rachel Chang, Dalhousie U., Canada (Remote)	Aerosol properties during the FATIMA campaigns
20	3:40 PM	Leyla Salehpour, York Univ.(Remote)	Microphysical chemistry of fog-aerosol interactions over the Northwest Atlantic Ocean during Fatima 2022
20	4:00 PM	Dave Ortiz-Suslow, NPS	Air-Sea interaction in Fatima from the SLOP measurements
20	4:20 PM	Jesus Ruiz-Plancarte, NPS	Turbulence and thermodynamics in fog
20	4:40 PM	Ryan Yamaguchi, NPS	Innovative sampling of the air-sea interface
	5:00 PM	End of Day 1 meeting	
60	5:30 PM	Reception at the Tower Room, Hermann Hall, NPS	
	7:00 PM	Group Dinner at Whaling Station Steakhouse, 763 Wave Street Monterey, CA (831) 373-3778	



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Friday, 21 February, 2025

40	7:40 AM	Check-in/breakfast in Reed Hall Room 102	
Chair: Jesus Ruiz-Plancarte (NPS)			
20	8:20 AM	David Richter, UND	LES-LCM of aerosol-fog interaction
20	8:40 AM	Sen Wang, UND	Large Eddy Simulation of Layered Stratification with Moist Thermodynamics as a Mechanisms for Fog Formation
20	9:00 AM	Anup Barve, UMN	Lagrangian LES over the Yellow Sea and Future Directions
20	9:20 AM	Alexei Perelet, UofU	Modeling the marine fog DSD, single vs multi. modal fits
20	9:40 AM	Jung-Hoon Kim, SNU, ROK	Role of Turbulence on the Initiation and Evolution of Sea Fog Event in the Eastern Yellow Sea
20	10:00 AM	Coffee break	
Chair: Anup Barve (UMN)			
20	10:20 AM	Luc Lenain, UCSD/SIO	Assessing Numerical Predictions of Fog in the Yellow Sea
20	10:40 AM	Darko Koracin, U. Split,Croatia	Frontal effects on formation of a deep layer of cloud and fog
20	11:00 AM	Peter Taylor, York U. (Remote)	1-D Cloud modeling
20	11:20 AM	Adele Igel, UC Davis	Aerosol-fog interactions in cloud-base lowering fog
20	11:40 AM	Reneta Dimitrova, UND (Remote)	Fog genesis during evening transition at Sable Island during Fatima-GB; simulations using WRF-LES model
60	12:00 PM	Lunch at the NPS Foundation Cottage	
Chair and Discussion Lead: Joe Fernando			
90	1:00 PM	Group discussions	Discussion topics: 1) Next year plans (Fernando), 2) inter and intra fatima collaborations (All); AGU/AMS Special Issue (Dorman), 3) Ice Fog Experiment (plans, Fernando and Gultepe), 4) Prospective Research Directions based on Fatima-YS and Fatima-GB (all), 5) Numerical work outlook (COAMPS, WRF, LES, LCM), 6) Spin ups, 7) Data repository (Status), 8) Next Meeting (@ Notre Dame)
20	2:30 PM	Coffee break	
30	2:50 PM	Group discussions	Discussion topics: Unfinished topics
30	3:20 PM	Advisory Committee Remarks (James Doyle, Andy Heymsfield and Matt Wilbanks)	
10	3:50 PM	Program Manager's Remarks	
	4:00 PM	End of Meeting	

File Upload and Remote Login: (The link is the same for both days)

Presentation upload: <https://nps.app.box.com/f/35dfb8285507441e8f261d7352d7aeb5>

Presentation repository: <https://nps.box.com/s/c1ojlzewhm4zqg04gxh5tmqc0wl4ao9p>

Microsoft Teams

https://teams.microsoft.com/l/meetup-join/19%3ameeting_OWlzODlyOWMtYzFmOC00MzhkLWExNzAtNjM5YmE1YjZjOTM1%40thread.v2/0?context=%7b%22Tid%22%3a%226d936231-a517-40ea-9199-f7578963378e%22%2c%22Oid%22%3a%22be812b5b-d469-48a6-93da-03692ed4c050%22%7d

Meeting ID: 244 601 046 940

Passcode: Ac2Nu6gf

Dial in by phone

[+1 323-457-5029](tel:+13234575029), [216179062](tel:+1216179062) United States, Los Angeles

[Find a local number](#)

Phone conference ID: 216 179 062#

For organizers: [Meeting options](#) | [Reset dial-in PIN](#)

Parking and Directions

Getting to NPS by car:

- 1) Gate entrance: NPS main gate on 9th st. Use 901 Sloat Ave., Monterey, CA on the map app on your phone.
- 2) Parking: All areas labeled with a green circle are open parking lots. Suggest using J3, J4, or J2 as they are the closest to Reed Hall by walking. You can follow the light green line on the map to drive to the parking lot after you enter the campus at the main gate.
- 3) Meeting room: Reed Hall, Room 102 (Building 310, red color on map). Follow the thin blue line to walk from the parking lot to Reed Hall, or you can input 'REED Hall' on your map app to get directions for walking.

Getting to NPS from the Hyatt by foot (~ 7 minutes):

- 1) You can also walk from the Hyatt to NPS gate and walk to Reed Hall. As you exit the Hyatt main entrance at the traffic light (cross-section of Sloat Ave and Mark Thomas Dr.), cross Mark Thomas Dr. at the traffic light and go under the highway bridge, you will see the NPS main gate on your right.
- 2) Once you enter the gate, turn left and follow the thick pink line to REED Hall. You basically walk along Sloat Ave, from inside the NPS campus. Reference to the map on the last page.

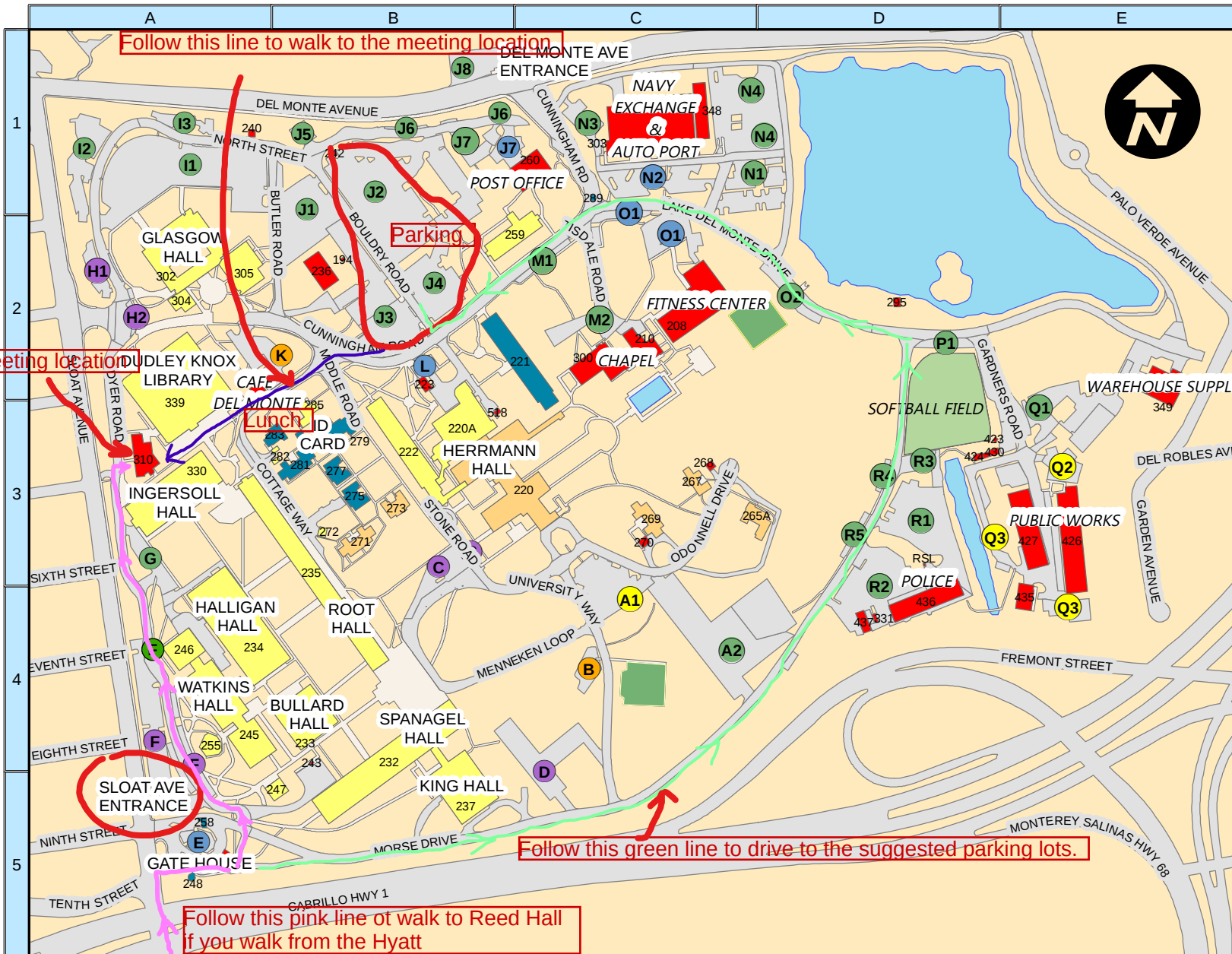
Location for lunch: NPS Foundation Cottage (building 283, blue color on map, it is a 1-minute walk from the meeting place)

Reception: Tower Room in Hermann Hall (Building 220, orange color on map). Once you enter Hermann Hall at the front entrance, take the elevator to the 4th floor. It leads you to the Tower Room. We can also walk together as a group. NPS personnel can walk you back to your parking lot after the reception)

Dinner on Feb 20, 2025:

7 pm, The Whaling Station Steak House, 763 Wave Street, Monterey, California 93940, 831.373.3778. Parking is behind the restaurant.

Important note: Dinner is covered for the in-person meeting participants listed on <https://docs.google.com/spreadsheets/d/1Wkb8-AbUC8mLHQA2MPTankgARUloV3Gbne8LlsgGlzQ/edit?gid=0#gid=0> . If you have other plans, or if you plan to bring a guest (the cost is \$100/person), please let Ryan Yamaguchi or Qing Wang know before Feb 13 so we can have a final head count. Dinner menu is attached. Please also let us know if you have a certain food allergy.



BUILDING KEY

ACADEMIC BUILDINGS

Bullard Hall (233).....	B4
Institute for Security Governance (ISG)(259).....	C2
Dudley Knox Library (339).....	A3
Glasgow Hall (302/304/305).....	A2
Halligan Hall (234).....	A4
Ingersoll Hall (330).....	A3
King Hall (237).....	B5
ME Lecture Hall (255).....	A5
Quad Auditorium (247).....	A5
Reed Hall (310).....	A3
Root Hall (235).....	A3/B4
Spanagel Hall (232).....	B5
Watkins Hall (245/246).....	A4

BASE SERVICES

Cafe Del Monte (290).....	B3
Chapel/Chaplains Office (300) ...	C2
Dental Clinic (220).....	C3
El Prado Dining (220).....	C3
Fitness Center (208).....	C2
Navy Exchange (NEX, 303).....	C1
Navy Exchange Autoport (345).....	C1
Police Services (436).....	D4
Post Office (260).....	C2
PSD (277).....	B3
Public Works (426/427).....	D3/E3
Recreation Fields/Courts....	C2/C4/D3
Tickets & Tours (MWR, 220).....	C3
Trident Room Dining (220).....	C3

ADMINISTRATIVE SERVICES

NSAM Headquarters (271).....	B3
Human Resources (220).....	C3
ID Card Lab (280).....	B3
Main Gate (258).....	A5
Registrar (220).....	C3
Travel Office (300).....	C2
Vehicle Registration (254).....	B5

LODGING

International Student BOQ	
Herrmann Hall (221/222).....	B3/C3
Navy Gateway Inns & Suites	
Herrmann Hall (220).....	B3

PARKING KEY

- Open Parking
- Carpool/Hotel
- Permit
- Timed
- Restricted

*Motorcycle Parking is located near Lot F, Lot C, and Lot K

**Some lots have mixed parking. Heed signage.

EMERGENCIES DIAL 9-911

POLICE SERVICES.....	656-2555
PUBLIC WORKS.....	656-2526
POST OFFICE.....	656-1734
CHapel OFFICE.....	333-2241
PS QUARTERDECK.....	656-2441
VEHICLE PASS/ID.....	656-3477
NAVY LODGE.....	372-6133
TICKET & TOURS (MWR).....	656-3223
LEGAL OFFICE.....	656-2506
NAVY EXCHANGE.....	373-7277
NSAM HEADQUARTERS.....	656-2279
NAVY GATEWAY INNS & SUITES	656-2060

ALL AREA CODE PREFIXES (831)

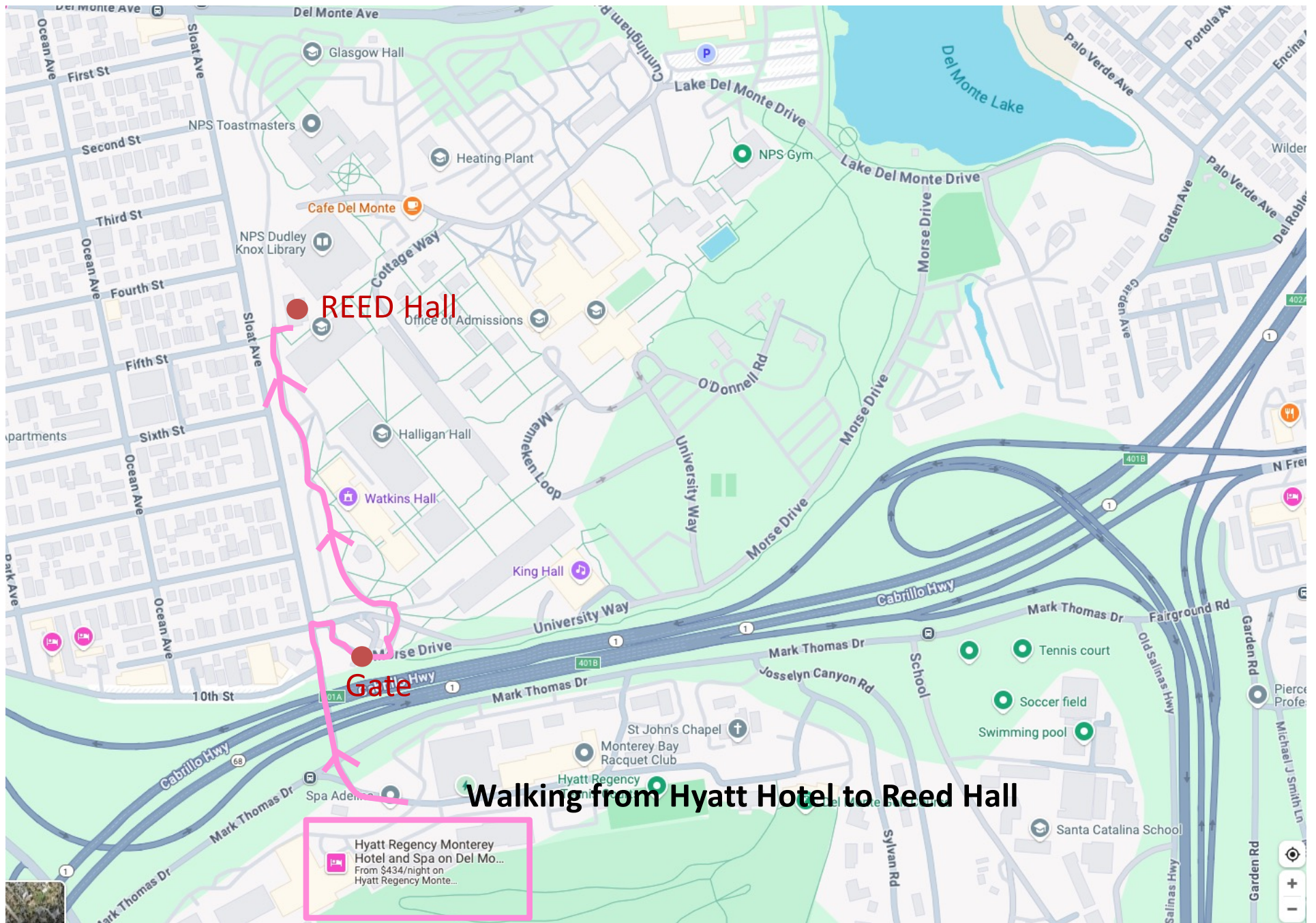
NAVAL SUPPORT ACTIVITY MONTEREY

Monterey, California



MAY 2019
POC: Laura Horton NSAM PWD





REED Hall

Gate

Walking from Hyatt Hotel to Reed Hall

Hyatt Regency Monterey
Hotel and Spa on Del Mo...
From \$434/night on
Hyatt Regency Monte...



763 Wave Street Monterey, California 93940
(831) 373-3778 • Fax (831) 717-4361

Menu #1

Salad

Salinas Valley Field Greens

honey-mustard vinaigrette
crumbled bleu cheese

Entrée

Choice of:

Grilled Fresh Salmon Filet

citrus risotto, wild mushrooms & herb buerre blanc

Or

Roast Chicken Breast

wild mushroom cream, roasted garlic mashed potatoes, braised spinach

Or

USDA Prime Center-Cut Sirloin

roasted garlic mashed potatoes, braised spinach and fried onions

Dessert

Sicilian Cannoli