# **MATE Internship Program Update**

RVTEC Meeting, Woods Hole, MA, Oct 15, 2018

Nandita Sarkar





Deidre Sullivan – Director & Internship Coordinator Marine Advanced Technology Education (MATE) Center







## **Internship Program Overview**

- Started with a NSF/UNOLS grant in 1999 to fill need for marine technicians.
- Since 1999, 300+ community college and university students have been placed in research vessels, labs and industry settings (200+ were placed on UNOLS vessels).
- Present funding till 2021
- NSF Grant 3-4 year funding cycle:
  - Host 12-15 interns in 2-16 week internships each summer; support to lengthen internships beyond one research cruise at each site.
  - Host 1 six-month intern on 1-2 host vessels each year.



## What the community gains

#### Mentors/Hosts:

- An extra pair of hands almost free!
- Direct involvement in training the next generation of marine technicians
- A sneak preview of the best graduates from marine technology programs for hiring!

#### Interns:

- Job experience essential for employment often the most important step
- Better understand the diversity of ocean careers
- Experience with cutting-edge technologies that are not available at their institutions



## Intern selection process

- Interns' interests, knowledge, and skills are carefully matched to mentor requirements
  - Summer internships Mentor receives the 3-5 resumes that best match their needs
  - LT internship Alice Doyle at UNOLS and Nandita at MATE review applicants and determine top 10-12 finalists
  - Mentor(s) are encouraged to interview candidates
  - Mentor makes final decision on which student(s) they host
  - MATE Coordinator checks references, makes offer, takes care of paperwork and travel logistics
- Preference (except for six-month internship) given to technical community college students and marine technology undergraduate students



## **2018 Internships**

- 1 long-term intern: Emily Shimada with WHOI and Scripps/STARC
- 10 other interns were placed on UNOLS/USCG/NOAA vessels:

Sharp (1), Healy (2), Atlantis (2), Atlantic Explorer (4), Neil Armstrong (1), Pisces (1)

- 5 women, 6 men
- 2 from community colleges





# 2018 Interns getting hired

- Royhon Agostine Intern on USCGC Healy
  - Research Technician at Scripps Institution of Oceanography
- Charles Brooks Intern on *R/V Sharp*
  - Research Technician at Scripps Institution of Oceanography
- AND??



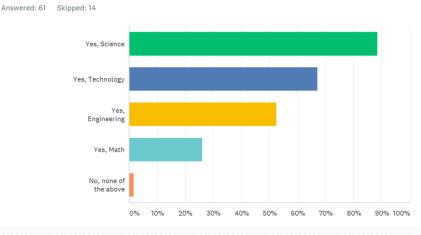


# 2018 Happenings

#### Preliminary results from survey of intern alumni till 2016

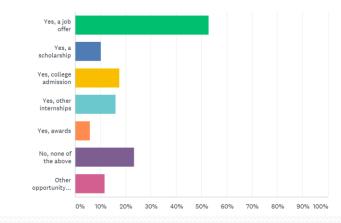
#### 75 responses from approximately 230 contacted

Since your internship, have you ever worked in a science, technology, engineering or math field? (Mark all that apply)



Has your internship contributed to you receiving a job offer, a scholarship, college admission, other internships, or awards? (Mark all that apply)

Answered: 68 Skipped: 7



# **New Internship Coordinator**

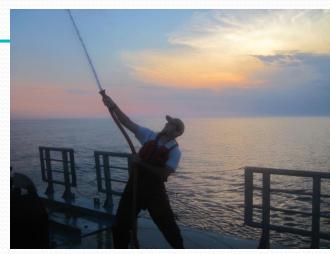
#### Ms. Deidre Sullivan

- Director of MATE Center and faculty at MPC
- Marine Geologist with over a year of sea time that includes time on the Pt Sur.
- Mapped Marine Protected Areas off California in the 1990s.
- A graduate of UCSB, MLML and OSU
- Avid Scuba Diver and Instructor
- Inducted into the Women Diver's Hall of Fame in 2014
- Former World Record Holder in Underwater Tricycling



## What is happening in 2019?

- LT internship 6 mths starting Spring 2019
- 2019 summer internships 2-16 weeks, May-Dec 2019
- Visiting community colleges to discuss changing skill requirements
- KSGs & guidelines update
- Intern survey analysis







## Some requests!

• Help to update the KSGs and internship guidelines

<u>www.marinetech.org/files/marine/files/Workforce/KSG.OITfinal.9.10.10lr.pdf</u> <u>www.marinetech.org/files/marine/files/Internships/Internship%20Guidelines\_final.pdf</u>

- Post-internship mentor surveys
- Commit to providing internship opportunities ASAP
- Use the internship to promote marine technical careersyou are great mentors and role models. THANK YOU!



### For more information visit: www.marinetech.org/internships

Or contact: Deidre Sullivan MATE Internship Coordinator dsullivan@mpc.edu

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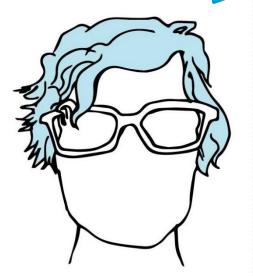


# 2018 Long-Term Internship

**Emily Shimada** 

4 ships, 6 months, 10 science cruises

## Hi, I'm the Intern!



#### 2018 California Maritime Academy Graduate

- Majored in Marine Engineering Technology and Marine Science
- 3<sup>rd</sup> Asst. Engineer's License
- Over 200 days at sea prior to this internship

Previous work with USGS and various research centers at UCLA and Cambridge

# **Developing New Skills**







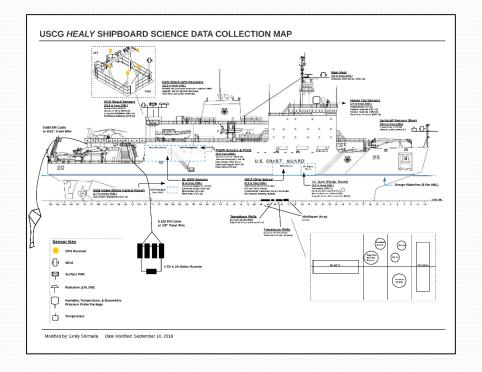
## **Running Deck Operations**

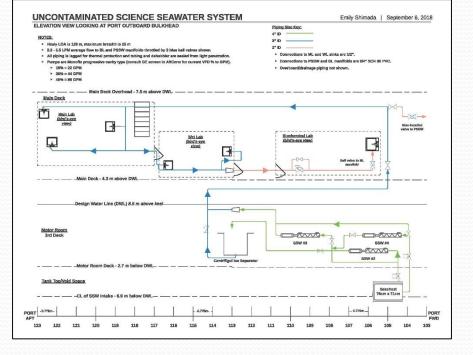


## **Troubleshooting and Fabrication**



#### Documentation





## **Building a Community**

