

University-National Oceanographic Laboratory
System

~UNOLS~

DeSSC New User Participants

Part II

Wu-Jung Lee – Lin Zhang



Akim Mahmud

akimmahmud@gmail.com

Background

- Graduate Student (M.S) – Coastal Carolina University
- **Focus- Coastal & Marine Geology**
- Graduate Student (M.S) – Johns Hopkins University
- **Focus – Geographic Information Systems**
- B.S In Earth & Atmospheric Sciences – City College of New York (minor-Economics)

Research Experience

- Marine Geology Intern- USGS
- Physical Science Student Trainee- U.S. EPA
- IEDA Data Intern- Lamont Doherty Earth Observatory

Research Interest and Opportunity

- Sea floor mapping techniques and geophysical data processing opportunity, GIS and ocean data management
- Looking for hands-on experience at sea such as research cruise opportunity.

Martin Tinah

- **Biodiversity of coral reef fish post larvae in Great Reef of Toliara(Madagascar)**
- **Sustainable fisheries management (Madagascar)**
- **(USA)**



Interests

- ❖ **Integrating seafloor mapping to marine resources management,**
- ❖ **Marine conservation**
- ❖ **Research opportunities, internships and jobs**

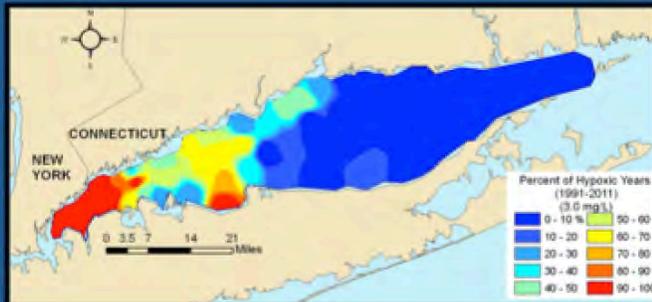
Claudia I. Mazur

Ph.D. Student
Earth & Environment
Boston University
Advisor: Robinson “Wally” Fulweiler

BOSTON
UNIVERSITY



Current Research



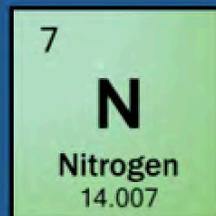
Goal: To better understand organic matter decomposition and nutrient cycling in Long Island Sound.

Looking for:

- Collaborators
- Research opportunities
- Resources provided by UNOLS and DeSSC

Future Research

Interested in quantifying iron and nitrogen cycling coupling in marine sediments from shallow coastal marine sediments to deep sea.



Contact info:

Email: cmazur@bu.edu
Twitter: [@cmazur_rocks](https://twitter.com/cmazur_rocks)
Website: claudiamazur.weebly.com

Beatriz Mejia-Mercado

PhD student of Oceanography
Florida State University

Education

- Marine Biology- Bachelors- Colombia
- Marine Ecology- Masters- Mexico

Work

- CICESE- Mexico- Deep-sea organisms and bathymetry
- INVEMAR- Colombia- Fisheries on the Atlantic and Pacific coasts
- MBARI- Monterey (USA)- Deep-sea benthic megafauna

Future plans

- Postdoc- Deep sea environments- Fishes



Kirstin Meyer

Currently Postdoctoral Scholar, Mullineaux lab, WHOI
PhD advisor: Craig Young, University of Oregon



Research interests:

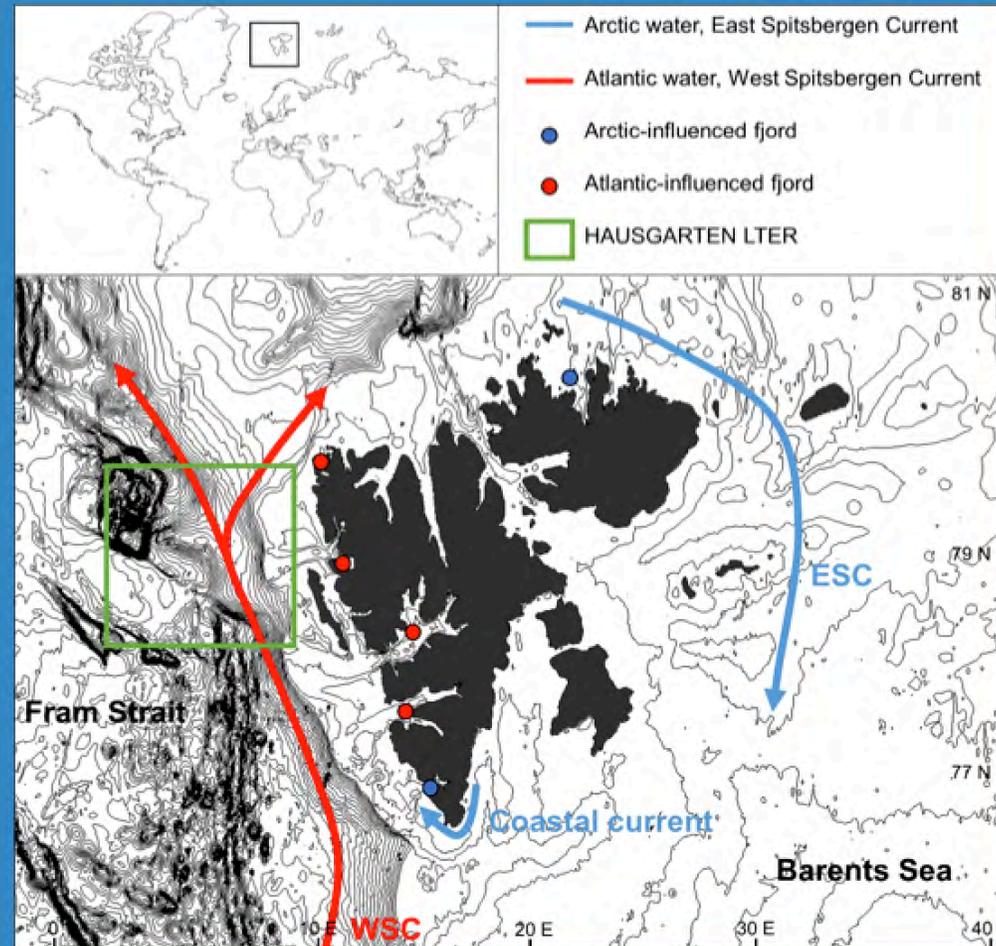
Benthic ecology

Larval biology

Arctic biology

Deep-sea biology

Connectivity of isolated habitats



Currently seeking postdoc or tenure-track position
Available May 2018

kmeyer@whoi.edu

Olívia Soares Pereira

MS Student in Biological Oceanography
Scripps Institution of Oceanography

Current research:

- Benthic ecology
- Chemosynthetic Ecosystems: Methane Seeps
- Marine Invertebrates
- Population and Community Ecology
- Stable isotope analysis

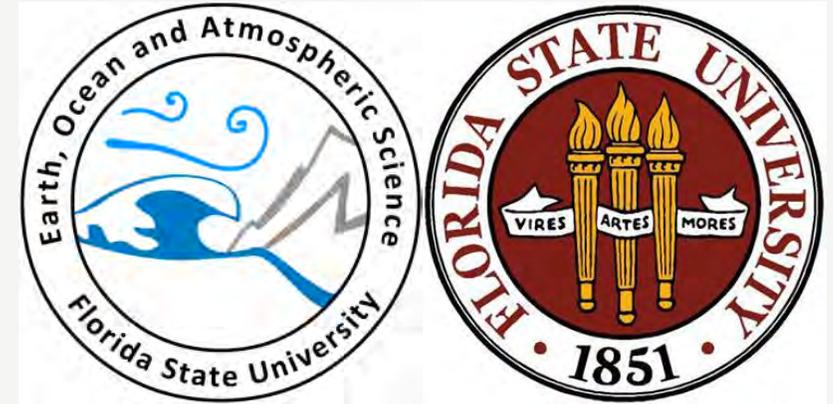
Past experience:

- Benthic ecology and dynamics
- Chemosynthetic Ecosystems: whale- and wood-falls
- Marine Invertebrates (mainly Crustacea)
- Population and Community Ecology
- Genetics and Population Connectivity



Arvind Shantharam

Graduate Assistant
Earth, Ocean, and Atmospheric
Science
Florida State University
Phone: (443) 852-5566
E-mail: akshan1@gmail.com



Research Interests:

- ❖ Macroecology
- ❖ Conservation
- ❖ Deep-sea community ecology

2018 (anticipated)	Ph.D., Oceanography <i>Florida State University</i>
2010	M.A., Applied Ecology <i>Stony Brook University</i>
2008	B.S., Environmental Science <i>University of Maryland, Baltimore County</i>

Publications:

- ❖ **Shantharam, A.K.**, Baco, A.R. Time-series analysis of Desoto Canyon macrofauna biodiversity. In prep.
- ❖ **Shantharam, A.K.**, Baco, A. R., Silva M. Biogeographic and Bathymetric Patterns of Benthic Mollusks in the Gulf of Mexico. In prep.
- ❖ **Shantharam, A. K.**, Padilla, D. K., Peterson, B.J., Doall, M., Lobue, C., Webb, A. Macrofaunal community structure following the restoration of northern quahog (*Mercenaria mercenaria*) to Great South Bay, Long Island, NY. In prep.

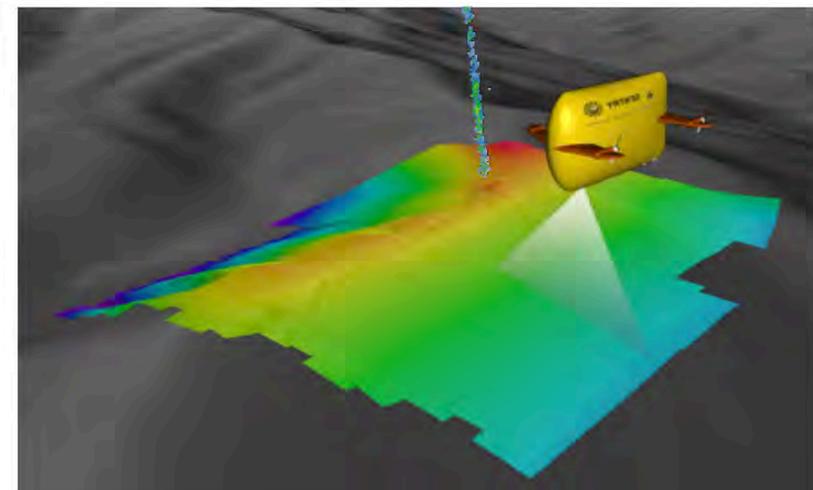
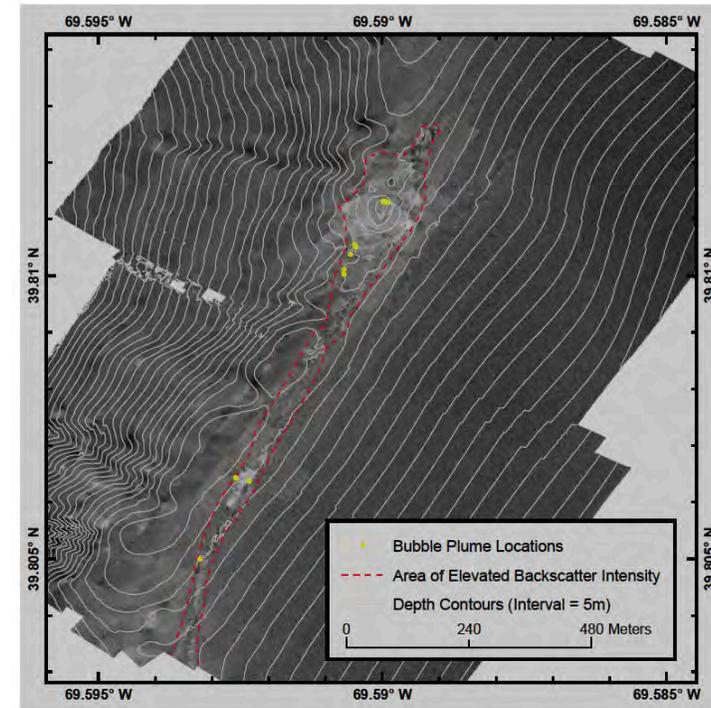
ADAM SKARKE

Assistant Professor of Geology
Mississippi State University

HOV *Alvin* [Dives 4804, 4809, 4813]
AUV *Sentry* [NOAA EX1205L1, AT29-04,
AT36]

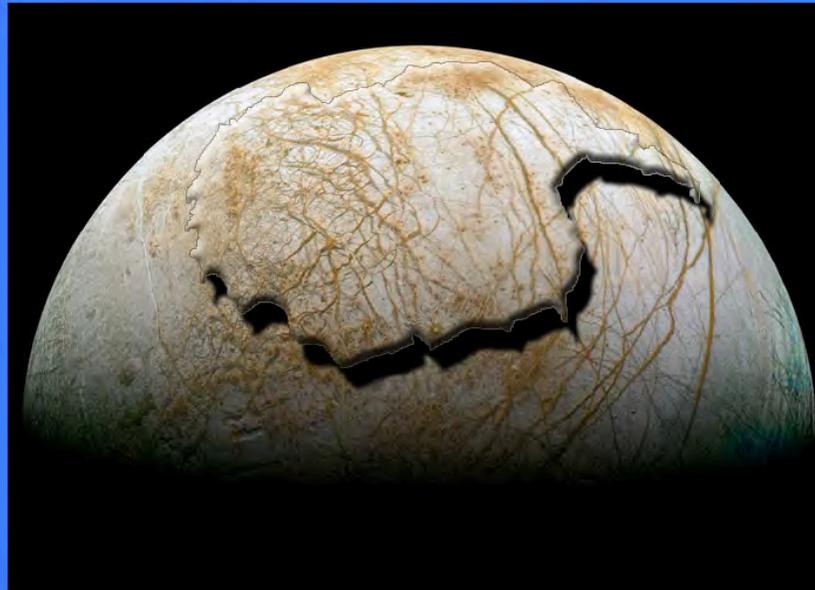
Methane Cold Seeps

- Characterizing Seep Site Geomorphology
 - Acoustic Benthic Habitat Mapping with AUVs
 - Acoustic Quantification of Methane Flux
 - Subsurface Fluid Flow Pathways
 - Authigenic Carbonate Geochemistry
-
- Benthic Ecologists
 - Acousticians
 - Geophysicists



Catherine C. Walker

- *Ph.D., Atmospheric, Oceanic and Space Sciences, University of Michigan, Aug. 2013*
 - *Dissertation: Fracture of Antarctic ice shelves and implications for icy satellites of the solar system*
- *Postdoctoral Fellow, Georgia Institute of Technology, School of Earth and Atmospheric Sciences, 2013-2015*
 - *Ice-ocean interface on Earth and Ocean Worlds; development of the Icefin ROV/AUV; Antarctic ice shelves; Europa ice shell models*
- *NASA Postdoctoral Fellow, Caltech/Jet Propulsion Laboratory, 2015-present*
 - *Antarctic ice-ocean interactions; satellite observations; ice shelf cavity exploration; Ocean Worlds*

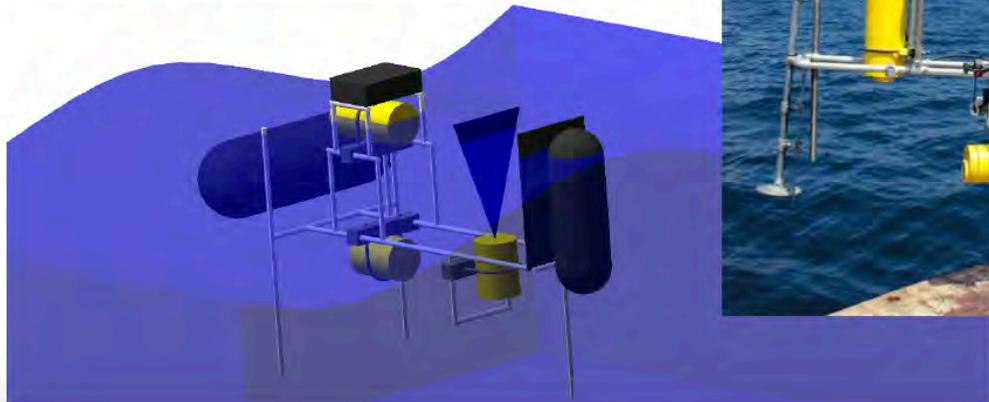


Binbin Wang

Assistant Research Scientist,
Geochemical & Environmental
Research Group (GERG), Texas A&M
University.

bwang314@tamu.edu

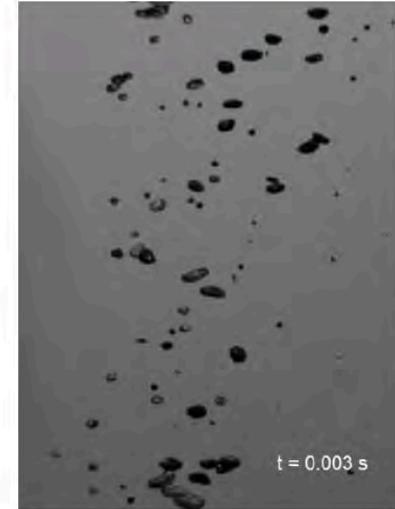
Submersible instrumentation
development and integration



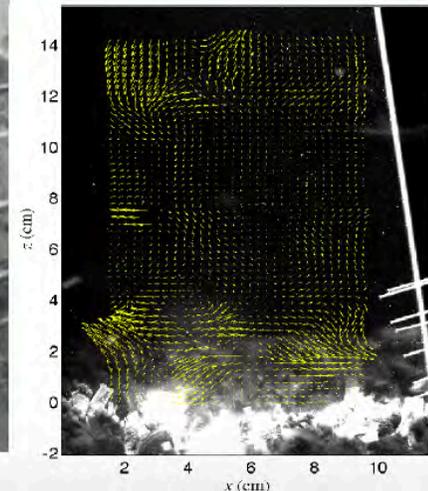
Oil/Gas/Water multiphase flow



Deepsea seep hydrocarbon bubbles



Deep Lake benthic community and turbulent mixing



Alexis Wright

Ph.D. Student, Advisor: Brandon Dugan
Colorado School of Mines
Department of Geophysics

Research Interests: Marine Seismology, Convergent Margins,
Slope Stability (i.e., Submarine Landslides), Tectonic
Geomorphology, Marine Geohazards

Lin Zhang, zhanglab.tamucc.edu

Texas A&M University Corpus Christi

MS/PhD positions available in Aquatic Stable Isotope Biogeochemistry Lab

Compound Specific Isotope Analysis of Individual Amino Acids

- Paleo-reconstruction of N cycle in proteinaceous coral skeleton and sediments
- Amino acid $\delta^{15}\text{N}$ applications for trophic ecology

Trophic Amino Acids

Source Amino Acids



lin.zhang@tamucc.edu

