

# 2017

## Coastal Marine Institute Annual Studies Review

**Friday, January 27<sup>th</sup>** 11:30 am – 5:00 pm

Hotel Captain Cook Resolution Room

*Public Welcome*



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- 11:30** **The Adventures of Apun the Arctic Fox: A science discovery book for children.**  
*Elizabeth O'Connell*
- 11:45** **Development of an accurate model of the Beaufort and Chukchi ice drift and dispersion for forecasting spill trajectories and providing decision support for spill response.**  
*Dr. Anton Kulchitsky*
- 12:15** **Measuring wave forces along Alaska's coastal sea ice.**  
*Dr. Mark Johnson*
- 12:30** **Northern Alaska sea ice: Project Jukebox.**  
*Karen Brewster; Leslie McCartney*
- 12:45** **BREAK**
- 1:00** **Development of an autonomous carbon glider to monitor sea-air CO<sub>2</sub> fluxes in the Chukchi Sea.**  
*Dr. Claudine Hauri*
- 1:15** **Development and testing of a low-cost satellite-tracked Ice drifter for arctic Alaska.**  
*Dr. Jeremy Kasper*
- 1:45** **Changes in Beaufort-Chukchi Sea intense storm activity and impacts on surface climate and ocean properties.**  
*Yang Yang (PhD student project)*
- 2:00** **BREAK**
- 2:15** **Fate and persistence of oil spill response chemicals in arctic seawater.**  
*Kelly McFarlin; Dr. Mary Beth Leigh*
- 2:45** **Crude oil infiltration and movement in first-year sea ice: Impacts on ice-associated biota and physical constraints.**  
*Kyle Dilliplaine; Dr. Eric Collins*
- 3:15** **Characterizing bacterial communities in Beaufort Sea sediments in a changing arctic.**  
*Alexis Walker (MS student project)*
- 3:30** **BREAK**
- 3:45** **Identifying sources of organic matter to benthic organisms in the Beaufort and Chukchi outer continental shelves.**  
*Dr. Katrin Iken; Dr. Mathew Wooller*
- 4:00** **Using genotyping by sequencing population genetics approaches to determine the population structure of tanner crab in Alaska.**  
*Genevieve Johnson (MS student project)*
- 4:15** **Migration trends for king and common eiders and yellow-billed loons past Point Barrow in a rapidly changing environment.**  
*Dr. Rebecca Bentzen; Dr. Abby Powell*

\*\*\* *Refreshments Provided* \*\*\*