



March 2016

## Inner Space Center News

From ISC Mission Control...

We're thrilled to announce that we are now offering a brand new suite of [education programs](#), both interpretive and hands-on for students of all ages. More information can be found below and on our [website](#). Our August 2016 [Ocean Science Exploration Camp](#) registration is now open as well. Camp is limited to 20 campers, so sign up early! Also, don't forget that the NOAA Ship *Okeanos Explorer* is now diving their ROV off the coast of the Hawaiian Islands. Make sure you tune in live on the [ISC website](#).



### Staff Spotlight

Meet Derek, the Inner Space Center's Chief Engineer! Derek Sutcliffe graduated from the University of Rhode Island in 2011 with a bachelor's degree in Industrial and Systems Engineering. Since 2009, he's been working for the ISC in several fields. Described as the "mastermind" behind ISC's new streaming technologies, Derek recently redesigned the entire shoreside telepresence workflow for NOAA Ship *Okeanos Explorer*. With the ISC, NOAA now enjoys faster, and more reliable live streaming to scientists and the world.



When all of the research vessel streams are running smoothly, Derek is also involved in other ISC projects, handling most of the data archival, web design, IT administration, print design, and branding. What's Derek's favorite part of ocean exploration? The live video streams! Watch [live](#) on our site!

### 2016 Ocean Science Exploration Camp

[Registration](#) is now open! The 2016 Inner Space Center's Ocean Science Exploration Camp will be held **Monday, August 15 - Friday, August 19, 2016**, and will focus on chemical oceanography. Campers will conduct field and lab-based experiments to learn about and measure important water characteristics including temperature, salinity, pH, turbidity, dissolved oxygen, and nutrient levels, as well as investigate the potential impacts of climate change and marine pollutants on the ocean ecosystem. Camp is intended for children 11-15 years old. If you have any questions, please contact ISC Education Specialist Holly Morin by e-mail, [holly\\_morin@uri.edu](mailto:holly_morin@uri.edu) or phone, (401) 874-6414.



## New ISC Education Offerings

The ISC has recently re-vamped our education programs, and we are now offering more hands-on and interpretive activities on a variety of topics. Groups may pick from programs such as "**Stirring the Ocean**," which explores oceanographic concepts such as density, pressure, and salinity, or "**Blubber, Baleen, and Blowholes!**" where students will learn about marine mammals and their unique adaptations to the ocean environment, or "**Sand Detectives**," where participants will be tasked with determining the origin and composition of mystery sand samples from around the globe. All of our 45-minute programs are led by an ISC Education Specialist, and are intended for grades 5 and above. Please inquire about select programs being adapted for younger audiences. Programs may be done at the participating group's location (depending on distance) or at the ISC. For more information or to book an education program, please contact Romy Pizziconi, ISC Communications Coordinator, [romy@uri.edu](mailto:romy@uri.edu) or (401) 874-6119. For a complete listing and description of all ISC education programs, please visit our [website](#).



## ISC Partnership with Girl Scouts

The ISC is excited to announce a suite of ocean science education programs being offered directly through [Girl Scouts of Southern New England](#) (GSSNE). Program topics include hurricane science and forecasting; plankton biology and ecology; and beach sand mysteries. The ISC is also offering a badge in ocean exploration for those girls that participate in our Ocean Science Exploration Club. Individual girls, or whole troops, can register for these programs. Specific dates and registration details are available through [GSSNE](#).



## Ship News

From February 25 to March 18, 2016, NOAA Ship *Okeanos Explorer* will explore largely uncharted deep-sea ecosystems and seafloor in and around the Papahānaumokuākea Marine National Monument (PMNM). During the 2016 Hohonu Moana: Exploring the Deep Waters off Hawai'i expedition, the at-sea and shore-based science teams will work together to make some of the first deepwater scientific observations in this area. The ISC will be broadcasting live footage from the *Okeanos Explorer* ROV, D2. You can watch live on the ISC [website](#). For more information on the 2016 *Okeanos* field season, please visit their [website](#).



## Inner Space Center @ Conferences

- The ISC will be present at the [Rhode Island Science Teachers Association Conference](#), March 12, 2016 in Providence, RI. We will be showcasing our new education programs.
- The ISC will also be at the [Rhode Island PTA Annual Spring Meeting](#) on April 7, 2016 in Warwick, RI. We will look forward to connecting with PTA members, parents, and administrators.



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