

April 2017

## GET INVOLVED

- **4th Annual Crooms Internship Fair** on April 27th
- Duke Energy, OUC and Siemens are teaming up for this year's Youth Energy Academy (YEA) on July 27th and 28th (for more information, contact John at john.marra@siemens.com)
- **TEACHERS:** sign up for the **Multidisciplinary Engineering Design Experiences** from June 5th-28th
- **SAVE THE DATE - DiSTI Duffer** will be held on October 14th!
- Like us on Facebook @ [www.facebook.com/CFSTEM](http://www.facebook.com/CFSTEM)



## SOLAR ENERGY RESOURCES

- The **Institute for Building Technology and Safety** provides insights on filling the Skills Gap in the Solar Industry Workforce
- The **Solar Energy Industries Association** provides guidance and information regarding training opportunities, certifications and other information to solar workforce development
- The **Solar Foundation** provides the National Solar Jobs Census (the most credible, annual review of the solar energy workforce in the United States)



## COMMUNITY SPOTLIGHT

The **Robo-Knights** had a great time at the Florida Regional SeaPerch Competition at the Daytona State Campus, Indoor Pool on April 8th. Robo-Knights were First place in all three events: Obstacle Course, The Challenge and the Engineering Book Design Presentation. They were also the 1st Rank Team Overall at the Regional Competition. The Robo-Knights have been invited to participate in the 2017 National SeaPerch Challenge on May 19-20, 2017 at Georgia Tech in Atlanta, Georgia.



## 2017 CFSTEM GENERAL COUNCIL MEETING DATES & INDUSTRY FOCUS

June 7th - Space Exploration  
August 2nd - Retail

## CFSTEM GC MEETING RECAP - SOLAR ENERGY

This month's CF STEM General Council's meeting was generously hosted by the Orange County Sustainability Program on April 12th at the Orange County Convention Center. The meeting featured presentations about the Convention Center's sustainability programs, as well as other solar facilities and program. The meeting included a tour of the solar installation on the roof of the South Concourse, which is the largest rooftop solar system in the southeast US consists of nearly 6000 solar panels and generates over 1.2 megawatts (completed in 2009). Smaller solar installations are installed around the grounds of the convention center and other parts of the buildings.



In addition, OUC will soon open a 5 megawatt solar farm later this year at their Stanton Energy Plant and the Florida Solar Energy Center in Cocoa Beach is Florida's designated research and certification center for solar and other renewable products in the state. Their annual Energy Whiz Olympics offers STEM education for K-12 grades. We also learned a great deal from Janet McCulloch about solar products and benefits for the home.

To view the presentations, please click [here](#)

# STEM Connections

April 2017 (continued)

## Interested in STEM Summer Camps?

Please see the information below on local STEM Summer Camps

\* Indicates that Summer Camps are also offered to other School Age Groups



### Elementary School Ages:

- **Orlando Science Center** is offering camps featuring Wacky Weather, Animal Planet, Space is the Place, and many more \* - offering *Oviedo Satellite Location too!*
- **SeaWorld Orlando** camps offer fun, educational experiences along with superior safety standards & low counselor-to-camper ratios \*
- **Engineering for Kids** offers activities from designing and constructing rockets, hot air balloons and roller coasters

### Middle School Ages:

- **Summer Institutes** are intensive programs for gifted and high-achieving students who have interest in learning the foundations of Computer Science, Biology, Physics or advancing skills in Competitive Programming \*
- At **Rollins iD Tech Camps** you can code an iPhone or Android app, design your own video game and more \*
- **Central Florida YMCA** is offering ways to learn how STEM is used in everyday life while encouraging creative new ways to improve them \*

### High School Ages:

- **Camp Connect** offers broad exposure to a variety of engineering disciplines, including: electrical, industrial, mechanical, civil, environmental, aerospace, and computer science
- **CyberCamp**, offered in collaboration with the **Florida Cyber Alliance**, focuses on teaching beginner and intermediate computer security techniques
- **Full Sail Labs** is offering the space to explore & challenge creativity by utilizing digital tools & software \*

## CENTRAL FLORIDA ENGINEERING INTERNSHIP



The **Central Florida Engineering Internship** is a great opportunity for students (grades 8-11) to work with local Engineering mentors (Army, Navy, Lockheed Martin) and is intended to be a practical approach for developing and incorporating processes needed for successful project development.

**To apply for the internship, please contact:**

Mr. Abdul Siddiqui  
Engineering Mentor  
US Army PEO STRI - STEM Coordinator  
Abdul.M.Siddiqui.CIV@mail.mil  
[www.CentralFloridaEngineeringInternship.com](http://www.CentralFloridaEngineeringInternship.com)

3259 Progress Drive, Orlando, Florida 32826  
(407) 207-7426 | [info@centralfloridaSTEM.org](mailto:info@centralfloridaSTEM.org)

JOIN THE COUNCIL TODAY OR  
RENEW YOUR MEMBERSHIP!

Submit your  
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