

April 2016

GET INVOLVED!

- Attend and/or Judge the [Orlando Science Schools' 1st Annual STEM Art Contest](#)
- Celebrate ['Teacher Appreciation Week'](#) and become a Sponsor!
- Attend the [S.T.E.A.M. Exhibit](#) at the UCF Art Gallery from April 6th through April 15th
- Attend the [Tech Sassy Girlz Code Hackathon](#) on April 23rd
- Like us on Facebook @ www.facebook.com/CFSTEM



On Saturday, 9 April, several thousand people of all ages attended Drones on the Horizon sponsored by Horizon Hobby, a division of Hobby Lobby. Even though the title was about drones, all types of RC (remote controlled) vehicles were featured. Held at the Central Florida Fairgrounds, the event offered areas for attendees to fly micro drones, test pilot Chroma drones and watch intense FPV Drone Racing. Attendees could test drive RC cars, boats and rock climbing jeeps. The event also offered seminars on drone regulations and STEM. Horizon Hobby reached out to the Council prior to the event to request assistance with the seminar "RC and Science, Technology, Engineering and Math".



Pictured: Chris Kiggins and Everett Jones, TechMe Director

We reached out to one of our members – [TechMe](#) – who provided one of their instructors – Chris Kiggins – to talk about all the STEM involved in building and operating drones.

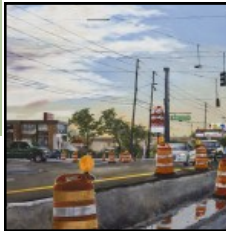
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COMMUNITY SPOTLIGHTS

[The Milwee Washers](#) met at Embry-Riddle Aeronautical University for the Regional SeaPerch Competition. There was a total of 6 teams, involving 17 students and their parents.



SeaPerch Competition is an underwater robotics competition where the students face challenges of building a SeaPerch that will be maneuverable under water. Milwee has teams placed 1st and 3rd at Regionals. The 1st place team earned a bid to Nationals, where they will compete with 120 other SeaPerch teams at LSU in May.



[The 2016 UCF STEAM Exhibition – Where ART Meets Science](#) presents photographs, paintings, drawings, 3D Artworks and posters by UCF Art students in collaboration with UCF STEM students. It also includes "Robots" made from found and recycled materials by elementary students from the UCF

CREATE Program. All Artworks were created in visual response to STEM topics.

The STEAM (Science, Technology, Engineering, Arts and Mathematics) initiative brings together science and arts faculty members and their students to create paintings, sculptures, drawings and posters that illustrate the complex research of genetic coding, theoretical physics and other topics for a broad audience.

STEM in the Community

- 10-year-old Cheerleader does Cartwheels with [New 3-D Bionic Arm](#)
- [Gaining STEM, or STEAM](#): It's our Economic Future
- [UCF Hosts](#) 300 High School Computer Science Competitors
- [Orlando ranks 59th](#) on list of best STEM regions

www.centralfloridaSTEM.org

April 2016 (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 Lego-ology, Coding Cadets, Culinary Chemistry, and many more
- **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 to LEGO Robotics *

Middle School Ages:

- **Orlando Science Center** offers camps featuring Ocean Watch, Coding Academy, Stop Motion Animation, and many more
- **ID Tech** offers hands-on learning to a new level that includes nurturing, personalized technology classes *
- **YMCA of Central Florida** is offering camps where children can learn about the environment, technology, science, philanthropy, etc. *

High School Ages:

- **UCF's Camp Connect** introduces students to a variety of engineering disciplines - Electrical, Computer, Industrial, Mechanical, Civil, Environmental, Construction, Aerospace & Computer Science
- **UCF's CyberCamp** is offering Cybersecurity day camp focusing on teaching beginner and intermediate computer security techniques
- **Embry-Riddle** is offering Aerospace and Exploration summer camps *

Submit your **2016 Membership Application** online at:

www.centralfloridastem.org/getinvolved/joinCFSTEM

SAVE THE DATE!

Florida Engineering Education Conference
 04.22.2016



BOARD MEMBER HIGHLIGHT

Bruce Furino is one of the founding members of the Central Florida STEM Education Council. He served as our first Council Chair and continues to volunteer as both a board member and Chair of the Strategic Committee.

For the past 25 years, Bruce has been involved in the STEM education field. During this period, he worked at UCF in the Division of Sponsored Research as a Grants Development Manager and assisted a multitude of faculty in their pursuit of research funding. It was there he developed the Comprehensive Pre-Award System (CompAS) that matched grants to faculty, industry and community member profiles.



In 1998, Bruce began working for the College of Engineering and Computer Science where he later became the Director of Engineering Outreach. There he obtained funding and managed, the Why Engineering Survey, the Florida Engineering Education Conference, the Engineering Futures Forum and the Internet Science and Technology Fair (ISTF), a national technology literacy program. In 2013, Bruce retired from UCF and created STEM Currents LLC where he continues to manage both CompAS and the ISTF programs.