

Afternoon Workshops: May 1st, 2009

Workshop One - "Force and Motion" (FSU's National High Magnetic Field Laboratory)

Description: The change of motion in a body is proportional to the force applied and occurs in the direction of the line of action of the applied force. In other words, drop any two items (as long as neither one is being acted upon by another force) from the same height and they will reach the ground at the same time. Join us as we explore the laws of force and motion!

Workshop Two - "Encouraging Enthusiasm for Engineering Beyond the Classroom" (Society of Women Engineers)

Description: Ever wanted to know how you could share a bit of the exciting world of engineering with your own students? The Society of Women Engineers is here to show you how by introducing a variety of tools to get your students motivated to learn even MORE about this amazing engineering career path and all of the endless possibilities that await your students to better this world for future generations to come!

Workshop Three - "Lean how to build a Robotic Arm in your classroom." (Sean Denny, IEEE FWCS TISP Chairman)

Description: The Robotic Arm Workshop teaches teamwork with design in any environment. Using basic accessible materials the participants will design their own robot arm to pick up a Styrofoam cup. It is suggested to add variables like weight or distance. This has been documented as the most downloaded activity from the IEEE Educational Activities Website.

Workshop Four - "FLATE Presentation" (Jodi Sutton, FLATE Curriculum Coordinator, FLATE)

Description: Looking for a GREAT way to teach your students how science, technology, engineering and math affect their lives every day? We have just what you need, Made in Florida Learning Challenge (MIF Challenges). MIF Challenges are classroom materials designed to enrich STEM classes, by providing students with "real-world" scenarios relevant to manufacturers throughout Florida. This workshop will go over the MIF Challenges, how to implement them into your class and will also focus on the diversity of careers involved in designing and developing items that are Made in Florida.

Workshop Five - "How to participate in the Engineer-Teacher Connection at UCF-CECS". (Bruce Furino, Director, CECS Outreach, UCF)

Description: The CECS Outreach Office will be discussing the plans for the ETC project that will enable teachers and engineers to connect using the system. This project was funded by GE and involves engineers from the Florida Engineering Society and other engineering organizations. The focus is on helping teachers bring engineering talent, curricula and materials to the K12 classroom.