

Special Guest Presenter



Darold Cummings. Named AIAA Top Aircraft Designer for 2015. Mr Cummings will be teaching his Creativity Workshop on Friday and Saturday. This Workshop is a required course for all Air Force Academy cadets. Mr Cummings has 46 years' experience in aircraft design and development. He worked for Boeing and retired as a Technical Fellow. He has been the project leader and chief designer on many space and military aircrafts. Mr Cummings holds 29 patents in a variety of fields. As a hobby he also holds 37 motorcycle World Land Speed records at Bonneville Salt Flats.



Mississippi
Robotics

P. O. Box 426 • Woodville, MS 39669
MississippiRobotics.org

Connecting STEM /
Robotics teachers &
coaches with industry
employable skills.
Workshops, breakout
sessions, and discussions.

Announcing the STEM Teachers/Coaches & Industry Trainers Conference

Jan 20th 12pm-6pm – Jan 21st 8am-6pm
at Nissan Training Center - Canton

300 Nissan Drive, Canton MS 39046

High School Students welcome with STEM teacher
College Students welcome

Saturday lunch included & hosted by Nissan Canton

Limit: 60 participants

Adults: \$50 (both days – includes one Creativity Workshop)
College & High School students \$25 (both days – one Creativity Workshop)

Breakout Sessions

- Starting a STEM afterschool program
- STEM Opportunities at Ole Miss
- STEM in Elementary
- Starting & Running a school-wide STEM program
- STEM & Mechatronics
- STEM Opportunities at Mississippi College
- STEM Opportunities at Co-Lin
- Nissan Training Center Tour

Engineering Creativity Workshop

Creativity Workshop is a hands-on workshop involving between 15-30 students (and faculty, if they want to participate). The workshop involves a front end Power Point presentation about creativity, and then an actual design exercise. Students are divided into teams of five members each. Each team has a different random-draw assignment. Students are not allowed to use any electronic devices, and the work is done with colored pens on 18" x 24" bond pads. The presentation lasts about 45 minutes, and then the students have about 1.5 hours to design their "product". The work is stopped, and each team comes to the front of the room to make a presentation on their fantastic product. Every team member speaks! The whole session lasts 2.5-3 hours, depending on time available. There is no "right answer" in the end, and there is not a grade assigned, so the students are usually VERY creative!

A Special Thanks to Nissan Canton for hosting this event.

SPACE IS LIMITED TO 60 PARTICIPANTS. REGISTER EARLY.

To register for this Conference please visit our website MississippiRobotics.org
Contact us by email: StemAdvancement@gmail.com or phone: 405.596.0292

"Mississippi Robotics seeks to advance STEM education within the rural communities of Mississippi, utilizing robotics classes and competitions and establishing an environment that emphasizes Jesus Christ and an integration of biblical morals and ethics by working with public schools, Christian ministries and private schools around the state in their efforts to train their students to become scientist and engineers with a biblical worldview."

Let each of you look not only to his own interests, but also to the interests of others. Philippians 2:4