The Baja Buckeyes completed a brand new vehicle for the 2014 season. The vehicle is considerably different than the previous vehicle, employing new designs throughout the chassis. In addition, a new data acquisition was developed that will be used to tune suspension, steering and drivetrain. The vehicle will be competing in 2015 competitions, and likely smaller competitions in late 2014.
Buckeye Bullet

In September 2013 the Buckeye Bullet team completed construction of their latest vehicle, The Venturi Buckeye Bullet 3, and debuted it on the Bonneville salt flats. Although the racing event was canceled due to inclement weather, the team was able to complete initial shake down runs at the Wendover Airport at approximately 100 MPH. The team will return to the salt flats in August 2014 to continue their quest to be the first in the world to break 400 MPH with an electric vehicle.
Buckeye Current

Buckeye Current is a group of OSU engineering students determined to design, build, and race premier electric motorcycles. This year the team deployed its third vehicle, the RW-2.X, to the 2014 Isle of Man TT Zero. With an average lap speed of 93.5 mph, the team secured a third place finish and defended their spot on the podium as the fastest university team in the world.
BioMolecular Design

OhioMOD is Ohio State's undergraduate biomolecular design team. The team participates in the BioMOD international competition each year at Harvard University. The 2014-2015 project will use a folded DNA structure to control miRNA gene regulation in cancer.
Chem-E Car

The Chem-E Car Team competed at the National AIChE Conference in November 2013 and finished 13th out of 31 teams. In preparation for the competition, the team experimented with new power sources and timing mechanisms eventually deciding on zinc-chloride batteries and an iodine clock stopping mechanism.
Design/Build/Fly

In 2013 the Design/Build/Fly team competed at the 18th annual American Institute of Aeronautics and Astronautics Foundation and Cessna/Raytheon Missile Systems Student Design/Build/Fly competition; requiring the students to design, build, test and compete new remotely-piloted aircraft to meet different physical and flight specifications each year.
EcoCAR

The EcoCAR team won 1st Place Overall in their 2014 competition with their Parallel-Series Plug-in Hybrid Electric Vehicle (PHEV). The team won 21 total awards that include:

- 1st Place Business Program
- 1st Place Communications Program
- Best Final Business Presentation
- Best Outreach Presentation
- Best Communications Plan
- Best Electrical Presentation
- Best Petroleum Energy Use
- Lowest Criteria Emissions
- 1st Place dSPACE Embedded Success Award
- 2nd Place Mathworks Modeling Award
- Best Controls Presentation
- Best Static Consumer Acceptability Presentation
Engineers Without Borders

The Ohio State University Engineers Without Borders chapter teamed up with the Central Ohio Professional chapter to take on a civil works project in the Dominican Republic. The community they are working with often experiences floods that keeps anyone from entering or leaving the village. On their first trip, the travel team assessed the situation by holding meetings and collecting data. The land surrounding the village was surveyed and the opinions of the residents were sought in order to develop the best possible solution.
Environmental Design

The Environmental Design Team competed in 2014 at regional ASCE Ohio Valley Student Conference and finished 3rd out of twelve teams. Prior the competition, the five student team spent the spring semester designing and building inexpensive water treatment system to treat power plant wastewater.
Both First Robotics at Ohio State (FROS) and its teams achieved great success this year. Of FROS’s seven teams, one was a regional quarter-finalist, four were regional semi-finalists, and one was a regional winner. Two of these teams were invited to compete in the World Championship. In addition, Dublin received the Engineering Inspiration Award, Olentangy was a Dean's List Finalist, the Home school team received the Engineering Excellence Award, and Metro won both the Animation Award and the Woodie Flowers Award.
Flight Team

The Ohio State University Flight Team competed in the National SAFECON competition hosted by The Ohio State University Airport in May of 2014. The team placed 7th overall out of 27 schools in attendance, and included a Swept National Champion, Runner Up in the Flight Simulator event, 2nd place finish in Aircraft Recognition, and 4th place finish in the Preflight Inspection event.
Formula Buckeyes

At the Formula SAE Michigan Competition, Formula Buckeyes finished 24th out of 109 entries. In the individual events the team placed 5th in the Design Event, 11th in Acceleration, 12th in Fuel Efficiency, 23rd in Autocross, 26th in Skidpad, 28th in Presentation, 76th in Cost, but did not finish in the Endurance although the car completed 18 of the 20 required laps.
MoonBuggy

The Ohio State Lunar Rover Team Competed this year in Huntsville, Alabama with over 70 teams from 19 states, Puerto Rico, Germany, India, Mexico, and Russia. Ohio State placed 28 of 46 teams with a brand new design and was awarded the Frank Joe Sexton Memorial Pit Crew Award for ingenuity and persistence in overcoming problems during the race.
Quarter Scale Tractor

The Quarter Scale Tractor Team placed 3rd overall out of 27 teams in the International Quarter Scale competition in Peoria, IL which took place from May 29 - June 1. The team tied for 1st place in Ergonomics and Safety, 1st in Design Log, 2nd in Manufacturability, 4th in Cost Estimate Report, 4th in Design Details, and 5th in Serviceability. The team placed in the top 10 in almost every other category.
Rocket

During the 2013-2014 academic year, the Rocket Team devoted most of its time to learning how to safely build and fly high power rockets. The team has had four members successfully certified with the National Association of Rocketry for High Power Rocket flight, and was able to compete in the Midwest Regional Rocket Competition sponsored by the National Aeronautics and Space Administration.
Solar Decathlon
The 2013-2014 OSU Solar Decathlon Team spent the year helping to get all of the systems in the 2011 OSU Solar Decathlon house fully functioning. The solar panels were installed in two stages through the winter, and wiring was completed in March. As of March 2014 the house is producing more power than it is using.
Supermileage

The Supermileage Team was formed in 2013 with a core team of about 25 members. This has been a building year for the team, and the team plans to have a vehicle in the 2015 Supermileage competition.
The Ohio State Engineer Magazine

The Ohio State Engineer Magazine is published by students, includes articles of interest to engineering students, and is published two times a year.
This year the Underwater Robotics team resurrected a new remotely operated vehicle, JAWS. The rotating thrusters and balanced design allow for the vehicle to move swiftly underwater and perform acrobatic maneuvers, including flips and rolls. The project has been as much of an exercise in control systems as its mechanical counterpart.