

Oklahoma Innovations - OCAST's Official Newsletter

July 2015

OCAST TO HOST FOURTH ANNUAL TECHNOLOGY SHOWCASE

The 2015 Oklahoma Technology Showcase is scheduled for August 26 from 9am to 3pm at Northeastern State University (NSU) in Broken Arrow.

Six innovative high-tech companies will be featured including Compression Solutions, LivePet, Wegolook, Monscierge, Advantage Controls and TechTrol. Each will give a 10 minute high energy talk highlighting their products or service as well as life lessons learned as they pursued their ambitions.

At the conclusion of the event several robotics teams will display their projects as well as compete against each other.

Breakfast, lunch and a dessert reception will provide several opportunities to network with inventors, manufacturers, researchers and leaders in the innovation economy.

Early-bird registration is available until August 12 for \$35. To register go to nsuok.edu/OKTS2015. For information regarding sponsorships and vendor booth space, contact Laura Sohl-Smith at Laura.Sohl-Smith@ocast.ok.gov or call 405-319-8408. The event will be held NSU Broken Arrow, located at 3100 E New Orleans, Broken Arrow, OK 74014.

For more information and current announcements follow the Oklahoma Technology Showcase on twitter @techoklahoma.

GE FOUNDATION, OSSM AND OCAST HOLD FIRST SUMMER SCIENCE ACADEMY

Students from across the state gathered at the Oklahoma School of Science and Math (OSSM) for the inaugural GE Summer Science Academy. The academy, made possible by a generous gift from the GE Foundation to OCAST, was designed to inspire 9th through 12th graders to pursue STEM education and STEM careers. The week long camp included challenging courses and fun activities for the students.

The highlight of the camp, though, was the engineering challenge. Daniel Brue and Jared Markes, engineers with GE Global Research, joined students each afternoon from 3 to 5 to mentor them as they attempted to design a working system that refined and moved (vegetable) oil from a low point to a high point. The students were given a kit of basic supplies and their skills in teamwork and critical thinking were put to the test.

At the end of the week, the teams were judged on how well their systems moved and refined the oil with no leaks tolerated. First, second and third place teams were chosen with iPads going to the first place team and Visa gift cards going to the second and third place teams.

Reviews by the students and parents were very positive and many of the students who attended the event expressed appreciation for being able to explore educational fields they may not otherwise be able to ([see a video of the students here](#)). A great debt of gratitude is owed to all at GE and the GE Foundation who made this camp possible. OCAST is looking forward to hosting it again next year.

FY16 INTERN PARTNERSHIPS SOLICITATION OPEN FOR APPLICATION

The Faculty and Student Intern Partnerships program is a winning solution for Oklahoma's undergraduate students, faculty who teach undergraduate students and Oklahoma's applied research and development facilities. Application deadline for the current funding cycle is September 16, 2015 at 5 p.m. CST. Go to www.ok.gov/ocast/Funding/Solicitations to learn more.

OCAST FUNDS EXPANSION OF OMA'S EXPORT ACCELERATION TRAINING PROGRAM

The ExporTech program, created and managed by OCAST's partner organization the Oklahoma Manufacturing Alliance (OMA), helps companies enter or expand in global markets by assisting in the development of a customized international growth plan and by building a team of organizations that helps companies move quickly beyond planning to actual export sales. The ExporTech program leads companies through a facilitated process that prepares them for profitable growth in global markets.

- Connects companies with the best international business experts in the region
- Assists companies in developing a peer-reviewed export growth plan in 12 weeks
- Generates measurable results for committed participants
- Involves a unique combination of innovative group sessions for four to eight companies in addition to individualized coaching

Program participants work as a group through a process to accelerate the pace and increase the success rate of international sales efforts. The course is customized to the specific learning needs of participants and produces an international growth plan for each company. Participants will also have the opportunity to work with international business experts to refine their international strategies.

Past program participants report an average increase in sales of nearly \$700,000.

Find out more about [ExporTech](#) on the OMA website.

SAVE THE DATE

OCAST will host a Southeastern Oklahoma Regional Innovation Forum November 16 in the Hallie McKinney Ballroom on the campus of Southeastern State University.

The event will be held at lunch time with Lieutenant Governor Todd Lamb scheduled as the keynote speaker.

More details and agenda to follow.

OKLAHOMA INNOVATIONS RADIO SHOW

[Oral Roberts University](#) faculty research interests include studies in aquatic biology, marine biology, human anatomy and physiology, neuroscience, environmental stewardship, entomology, bioethics, immunology, microbiology, molecular biology, genetics, histology, fluid dynamics, image processing and wireless communication. Hear about the benefits these diverse interests provide the students attending Tulsa's private research university.

[Listen to the show.](#)

In his lab in the Oklahoma State University Department of Chemistry, Dr. Jimmie Weaver focuses on new strategies to build molecules and overcome current limitations. He develops reactions that can "turn on" a molecule, allowing it to go from an unreactive or stable state to a reactive or unstable state. Accomplishing this allows for safer reactions to be conducted with less expensive reagents and often gives unprecedented selectivity and tolerability.

[Listen to the show.](#)

Mass spectrometry (MS) is a powerful analytical technique for sensitive detection and accurate identification of charged species based on their mass/charge ratios. Recent developments in MS and their broad applicability have significantly enhanced research in many areas.

[Listen to the show.](#)

Oklahoma State University [Center for Health Sciences](#) has one of only eight forensic science programs in the country accredited by the American Academy of Forensic Science and is rated as a Top 10 "CSI" forensic science graduate program in the country by forensics-school.com.

[Listen to the show.](#)

To hear more interviews on *Oklahoma Innovations* visit the [OCAST website](#) or listen weekly on:

Altus - Saturday at 6 a.m. - KOCU 90.1 FM
Ardmore - Saturday at 6 a.m. - KLCU 90.3 FM
Chickasha - Saturday at 6 a.m. - KCCU 100.1 FM
Clinton - Saturday at 6 a.m. - KYCU 89.1 FM
Lawton/Fort Sill - Saturday at 6 a.m. - KCCU 89.3 & 102.9 FM
Oklahoma City - Sunday at 5 p.m. - KTOK AM 1000
Tulsa - Sunday at 8 a.m. - KRMG AM 740/FM 102.3
Wichita Falls, TX - Saturday at 6 a.m. - KMFCU 88.7 FM