**INSIDE THE NEWSLETTER**

<table>
<thead>
<tr>
<th>Topic</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>SurfTec LLC Receives DOE Award</td>
<td>1</td>
</tr>
<tr>
<td>Ozark IC Goes Geothermal</td>
<td>1</td>
</tr>
<tr>
<td>New Affiliate: ADEG</td>
<td>1</td>
</tr>
<tr>
<td>Inventors Honored</td>
<td>2</td>
</tr>
<tr>
<td>BlueInGreen Advances</td>
<td>2</td>
</tr>
<tr>
<td>Did You Know?</td>
<td>3</td>
</tr>
<tr>
<td>Food Truck Fridays</td>
<td>3</td>
</tr>
</tbody>
</table>

**SURFTEC LLC RECEIVES DOE AWARD**

ARTP affiliate SurfTec, LLC has won a $1.2 million award from the U.S. Department of Energy (DOE). This two-year DOE Next Generation Electric Machines: Enabling Technologies award will allow SurfTec to develop “novel nanoparticle composite coatings as a replacement for the lead containing Babbitt alloys traditionally used in journal bearings.” Once successfully implemented, these nanoparticle-based coatings are expected to “reduce friction by over 10% in lubricated conditions and increase wear-life by at least 40% when used in high speed, megawatt-class electric motors and generator systems.” SurfTec, LLC consists of two founders (pictured above), Dr. Samuel Beckford, CEO and Dr. Min Zou, CTO and is located in the Genesis Technology Incubator at the ARTP.

**OZARK IC GOES GEOThERMAL**

Ozark Integrated Circuits has won a $155,000 Small Business Innovation Research award from the Department of Energy to provide integrated circuits that would enhance data collection systems in geothermal wells. These wells provide an attractive, carbon-free form of energy that could meet 10% of America’s energy needs and by developing data logging electronics able to operate at 300-500 degrees Celsius, Ozark IC has created the potential to explore effective methods of harnessing their energy. The environment in the geothermal wells is similar to Venus surface environment and the deeper the well the hotter the temperature. With this latest award Ozark IC steps up to the challenge with an innovative and expert team of employees and a history of University connections.

**NEW AFFILIATE: ADEG**

Applied Dynamics Engineering Group, LLC (ADEG) is the new kid in town at the Arkansas Research and Technology Park. The company focuses on the design, engineering, development and testing of automotive products and systems with emphasis on defense applications. The innovative duo consists of the Founder, Keith Rogers and Director of ADEG’s Testing Division, Alex Roberts. Both are registered Professional Engineers providing a wealth of knowledge and experience to effectively solve difficult engineering problems. Check them out at [http://www.adeg.us/](http://www.adeg.us/)
INVENTORS HONORED
The 5th Annual Inventor Banquet took place at the ARTP on February 28th hosted by the University’s technology licensing office, Technology Ventures. It was an evening of inspiration as Chancellor Steinmetz, Provost Coleman and UofA Systems President Bobbitt honored 14 faculty inventors who received issued patents over the past year. The three recipients of patent plaques were: Xianghong Qian, Biomedical Engineering professor, for *Catalytic membranes for Bio-Fuels*, Ranil Wickramasinghe, Chemical Engineering professor, for *Catalytic membranes for Bio-Fuels* and Scott Osborn, Biological and Agricultural Engineering associate professor, for *Systems and Methods for Maximizing Dissolved Gas Concentration of a Single Species of Gas from a Mixture of Multiple Gases, Systems and Methods for Wastewater Treatment*, and *Systems and Methods for Delivering Dissolved Gases into Force-Main and Gravity Sewers*. The faculty recognized for invention disclosures included: Suresh Kumar, David McNabb, Susanne Striegler, Jingyi Chen, Feng Wang, Bob Beitle, Christa Hestekin, Jamie Hestekin, Ryan Tian, Xianghong Qian, Ranil Wickramasinghe, Paul Thibado and Pradeep Kumar.

BLUEINGGREEN ADVANCES
BIG things are continuing to happen for BlueInGreen, the company that provides effective solutions for improving and maintaining water quality at the lowest possible cost. Two US cities have recently installed BlueInGreen’s newest system, the StreamLineCO2 (pictured left). At the Mission Viejo, CA installation location, this system “offers a dissolution system custom-designed to deliver carbon dioxide to supplement Lake Mission Viejo, which historically has struggled with drought issues.

On average, the 124-acre lake loses 500,000 gallons each day to evaporation - enough water to supply 1,400 households a year.” BlueInGreen’s team is also improving and growing, Product Manager Jessica Hart received her Professional Engineer status and the new team members include: Mike Dunigan – Industrial Sales Manager, Gary Jeral – Regional Sales Manager, Billy Ammons – Technical Services Manager, Eric Stansen – Industrial Sales Manager and Adrian Beirise – Product Engineer.
**DID YOU KNOW?**

**WATTGLASS UPDATE**

Wattglass has announced the closing of Series A funding round led by DSM Venturing. WattGlass is a winner of the 2016 SunRISE TechBridge Challenge, a solar energy innovation competition organized by Royal DSM, Fraunhofer and Greentown Labs. The Company now has 8 employees and continues to produce an anti-reflective and anti-soiling coating for solar panels utilizing water-based chemistry to improve the performance of solar modules and advance the sustainability of solar materials. The development of this technology has been supported by the National Science Foundation (NSF) Small Business Innovation Research (SBIR) program, the Department of Energy (DOE) SunShot program, and the Arkansas Economic Development Commission (AEDC). Wattglass was founded to commercialize a novel nanoparticle glass coating developed at the University of Arkansas. The coating technology was invented by CEO, Corey Thompson, during his PhD research at the University.

**Now Leasing for 534 and 700 Research Center Blvd**

21,800 Square Feet of Office and Research Space Available

If you are interested in becoming a member of the ARTP community, please contact: Phil Stafford at 479.575.8411 or psstafford@uark.edu

**FOOD TRUCK FRIDAYS AT THE ARTP**

We are celebrating spring here at the ARTP! Food Trucks will park on the ARTP campus from 11am-1pm.

Want all the updates? Contact lebeiris@uark.edu

**MAY FOOD TRUCKS:**

- May 5: Le Bouvier
- May 12: Street Dogs
- May 19: Trick Dilly
- May 26: Baller

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**UATDF**

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