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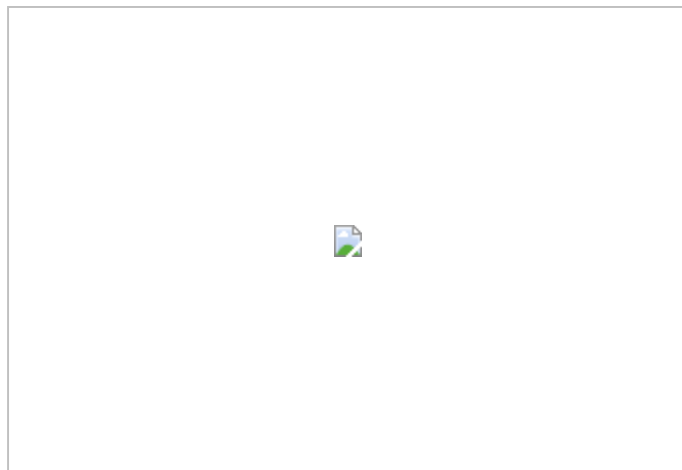


March 29, 2013

Council on International Programs awards ME proposals

Two mechanical engineering faculty members recently received grants from the ISU Council on International Programs (CIP) for their proposals on international research collaboration, teaching, and outreach. **Xinwei Wang**, professor of mechanical engineering, and **Gloria Starns**, senior lecturer of mechanical engineering, both believe international partnerships promoted by the CIP are important to education. ([CIP release](#))

ME 170 Soccer Team takes first place in tournament



On March 9-10, ten students in ME 170 and lecturer **Sebastien Feve** joined together outside of the classroom for a soccer tournament hosted by the African Students Association. The team played very well throughout the tournament and was undefeated, resulting in first place.

Combining haptics with an omnidirectional mobile robot

A video from the human computer interaction program introduces and demonstrates a new system that expands the usable workspace of a haptic device in an immersive environment by attaching it to a mobile robot with a Mecanum-style drive. Research was performed by **Ryan A. Pavlik**, ME graduate student; **Judy M. Vance**, Joseph C. and Elizabeth A. Anderlik Professor of Engineering; and **Greg R. Luecke**, ME associate professor. ([Haptics/robotics video](#))

Cindy Bartleson joins ME as assistant to chair

On March 25, **Cindy Bartleson** joined the ME department as assistant to the chair. She comes from the office of the dean of liberal arts and sciences and has been at Iowa State since 1978. Stop by the office to welcome her!



CSET research featured in Green Chemistry

Kaige Wang, a researcher with the Center for Sustainable

Zhang wins NSF grant, outstanding paper award; has article featured in leading journal

Song Zhang



Song Zhang, assistant professor of mechanical engineering, has been awarded a [National Science Foundation grant to explore solutions for a growing need in manufacturing industries: a fast, accurate, and reliable way of inspecting parts](#). He also received the AIAA Outstanding Paper Award for a paper he worked on with **Hui Hu**, associate professor of aerospace engineering. And another collaborative paper was featured on the cover of [Journal Optics Express](#). The video on the right of the screen

was selected from the paper he developed with Igor Efimov, a professor at Washington University-St. Louis.

Hashemi joins ASEE Virtual Communities of Practice

Nastaran Hashemi, William March Scholar in Mechanical Engineering and assistant professor, has been accepted to join the American Society for Engineering Education's Virtual Communities of Practice. ([Hashemi release](#))

Wang named first Viskanta Fellow for innovative research

Xinwei Wang, professor of mechanical engineering, received the inaugural Viskanta Fellowship honor from Purdue University for his advanced research in the field of thermal science. As a Viskanta Fellow, Wang will spend one week at the Purdue campus in West Lafayette, Indiana. During his visit, he will meet with faculty, post-doctoral scholars, and graduate students, as well as present a one-hour lecture. ([Wang release](#))

Xinwei Wang



Iowa State undergraduates showcase their research at annual Capitol event March 26

Garrett Schieber and **Ricardo Canahui**, both undergraduates in mechanical engineering, presented their research to legislators and others during the annual "Research in the Capitol." The project was called "Iowa State Lunabotics," and their mentor is **Jim Heise**, lecturer for mechanical engineering. ([Research in the Capitol release](#))

Solar car group relies on continuous sponsorships

Environmental Technologies (CSET), and **Robert C. Brown**, CSET and BEI director, are featured with an inside-front cover story in [Green Chemistry's March 2013 issue](#). Wang and Brown are also affiliated with the mechanical engineering department.

Students awarded for sustainability projects

Biochar team receiving sustainability award



Several engineering students affiliated with the Bioeconomy Institute were among those recognized with Live Green Awards for Excellence in Sustainability at the Symposium for Sustainability held in February at Iowa State University. One award went to a group building biochar systems for emerging economies, while another was given to the "BioBus" team that creates biodiesel for Iowa State's CyRide system.

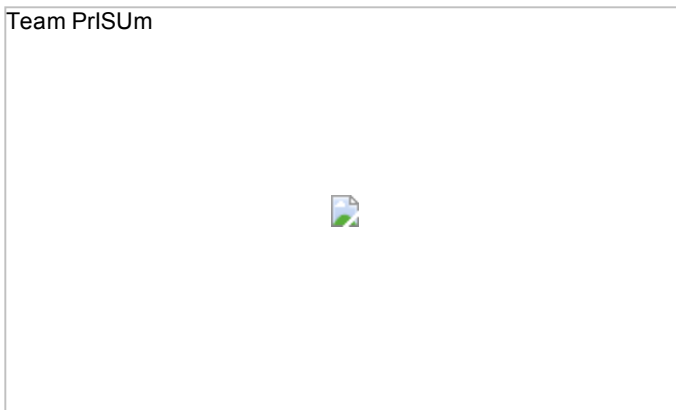
The biochar team was led by **Bernardo del Campo**, a PhD student in mechanical engineering at Iowa State. Team members included **Matthew Kieffer**, **Juan Proano-Aviles**, **Jyahao Leong**, and **Diego Camargo**. Kieffer and Proano-Aviles are mechanical engineering students, while Leong and Camargo are recent graduates in engineering from Iowa State. ([Live Green release](#))

Call for posters: Iowa NSF EPSCoR Annual Student Poster Session

A research-focused student poster competition will be held at the annual Iowa EPSCoR Annual All-Hands Meeting at the University of Northern Iowa on July 23, 2013. The competition provides an opportunity for students to showcase their current or completed research and earn a cash prize. Abstract Deadline is May 31, 2013. See <http://iowaepscor.org/posters> for more information.

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Team PrISUM



Building new solar-powered cars and taking them to competitions and outreach events around Iowa and the US takes a lot of dedication and work, not to mention financial assistance. That's why Team PrISUM depends on sponsorships and donations to maintain its successful program. ([Team PrISUM story](#))

Upcoming events

April 1 – [Dean Rajala Welcome Reception](#), Howe Hall Atrium, 9:00 - 10:30 a.m.

April 1 – [Drones: A Tipping Point of Technology - Missy Cummings](#), Sun Room, Memorial Union, 7:00 - 9:00 p.m.

April 3 – [Switch: What Is the Future of Energy? Documentary & Discussion](#), South Ballroom, Memorial Union, 7:00 - 9:00 p.m.

April 7 – [Changing Course in Global Agriculture](#), Sun Room, Memorial Union, 7:00 - 9:00 p.m.

April 17 – [Veishea Campus Showcase featuring the College of Engineering](#), Central Campus, 11:00 a.m. - 2:00 p.m.

April 18 – [Demystifying DoD: Workshop on White Papers and Quad Charts](#), 114 Marston Hall, noon - 2:00 p.m.

April 20 – [Veishea Village, Central Campus](#), 9:00 a.m. - 5:00 p.m.

April 26 – [VRAC Tour](#), Alliant Energy-Lee Liu Auditorium, Howe Hall, 1:00 - 2:00 p.m.

April 26 – [Wind Energy Research Open House](#), Town Engineering Building, 3:00 - 5:00 p.m.

April 29 – [Demystifying DoD: Workshop on White Papers and Quad Charts](#), 114 Marston Hall, noon - 2:00 p.m.

Do you have department news you'd like to share?
Please e-mail news items for InCYde Mechanical Engineering to [Alex Rausch](#).