



Western Michigan University
ScholarWorks at WMU

College of Engineering and Applied Sciences
News

College of Engineering and Applied Sciences

8-18-2011

CEAS e-news 08.18.2011

College of Engineering and Applied Sciences

Follow this and additional works at: https://scholarworks.wmich.edu/engineer_news



Part of the Engineering Commons

WMU ScholarWorks Citation

College of Engineering and Applied Sciences, "CEAS e-news 08.18.2011" (2011). *College of Engineering and Applied Sciences News*. 12.

https://scholarworks.wmich.edu/engineer_news/12

This Newsletter is brought to you for free and open access by the College of Engineering and Applied Sciences at ScholarWorks at WMU. It has been accepted for inclusion in College of Engineering and Applied Sciences News by an authorized administrator of ScholarWorks at WMU. For more information, please contact wmu-scholarworks@wmich.edu.





Western Michigan University

College of Engineering and Applied Sciences

Engagement ~ Leadership ~ Globalization ~ Innovation

WMU Engineers
Help Shape
the
Future

August 18, 2011

Anita Ludwig, Editor
anita.ludwig@wmich.edu

www.wmich.edu/engineer/htm

"Computer science is no more about computers than astronomy is about telescopes." ~Edsger W. Dijkstra

CEAS News

Sunseeker Team Receives Special Appreciation Award at Gilmore Museum's Red Barn Spectacular Event

On August 6th the Sunseeker crew attended the Red Barn Spectacular event held at the Gilmore Car Museum. The Sunseeker won an appreciation award for thier effort.

This event is considered one the biggest featuring antique, classic and special interest cars, with a swap meet and a car corral. Hundreds of cars were displayed and it was a great showing for the Sunseeker.



The Sunseeker crew after receiving their award.

Construction Industry Institute Awards Dr. Pingbo Tang with the Best Poster Award

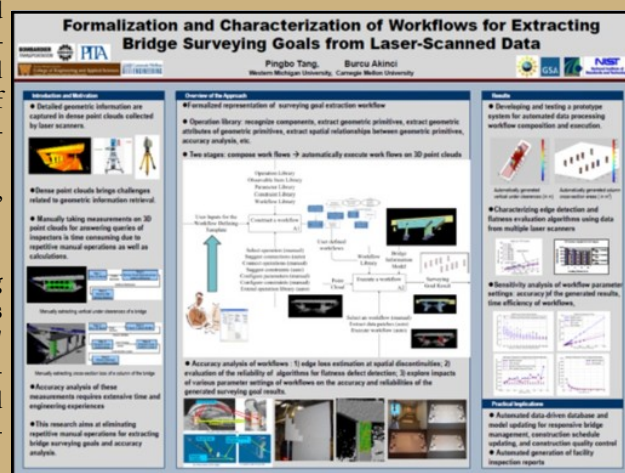


The Academic Committee of the Construction Industry Institute (CII), awarded WMU's Civil and Construction Engineering assistant professor, **Dr. Pingbo Tang** with the Best Poster Award on July 27th at the annual CII conference.

The posters submitted for the display had to introduce new construction industry research activities. Posters had to be beyond the idea or proposal stage and needed to present research objectives, methodology, and results.

The poster was co-authored with **Burcu Akinci** of Carnegie Mellon University and was selected by a panel of academic and industry representatives.

Right: The poster, **"Formalization and Characterization of Workflows for Extracting Bridge Surveying Goals from Laser-Scanned Data"** creatively displays the objectives, the methodology and the outcomes. Congratulations to both authors.



One Saucer, One Cup, One Spoon, & One Marble Makes for One Difficult Challenge

While on tour at the American Foundry Society (AFS) **Dr. Sam Ramrattan** and graduate students **AJ Oman** and **Sean Derrick**, were shown an extremely difficult cast piece. This particular casting has represented the gold standard for green sand castings for the past 30 years. Lenard Ivey, a master foundryman created it to add a twist to the standard test given to apprentices. It was featured in Modern Casting Magazine back in April of 1979. The original test included only the saucer, cup, and spoon. Ivey added the marble which debuted

an additional degree of difficulty. Sean and AJ decided to tackle the challenge by going one step further in their effort by improving on the cast. They modified the original design by using a more complex curved cup, a WMU embossed saucer, and a thinner spoon with a rose patterned handle. The result is an impressive display of their level of competency. The piece was finished by fellow grad student **Jason Klein**. Below side by side: Left is their original model design setting and right, their casted piece. This illustrates the success of the team's challenge.



AJ Oman and Sean Derrick with cast piece.



Handmade cast using green sand without cores.

First Annual SAE Alumni Drive



On August 14th SAE hosted the first annual **"Alumni Drive"** on east campus behind the Health and Human Services. For a donation, alumni were given the opportunity to drive the formula car on a mapped track. The driver who had the best time was awarded a plaque. Ed Zagley ME 07', was the winner with the best time of 21.47 seconds. Even with a little rain the event was very successful. After the driving competition the group enjoyed a cook-out at the Parkview campus followed by a presentation of the car's design. Thanks to the alumni, faculty, and Dean Vizzini for attending the event, SAE is looking forward to seeing you next year at the 2nd annual Alumni Drive.