

UNIVERSITY OF MARYLAND / FEARLESS IDEAS

# FLASH POINTS

FIRE PROTECTION ENGINEERING



FEATURED PHOTOS: Hands-on experiences in FPE! LEFT: Dan Jimenez from the U.S. Forest Service joined Professor Michael Gollner's [Wildland Fires class](#) to demonstrate wildfire deployment packages, sensors used to collect information in the midst of wildfires. The burning brush-like material and a fan were used to simulate the movement of a fire, in "still" and "windy" conditions. RIGHT: Students in our [Water-based Fire Protection Systems Design class](#) tested one of the fire pumps on the University of Maryland campus. Outside, they created and measured flow. Inside the pump room, Professor Ken Isman and the other half of the class took simultaneous readings on the pressure and speed of the pump while monitoring its activities at the controller.

[FPE NEWS](#)



## Message From the Chair

Jim Milke, Ph.D., P.E., FSFPE, B.S. '76

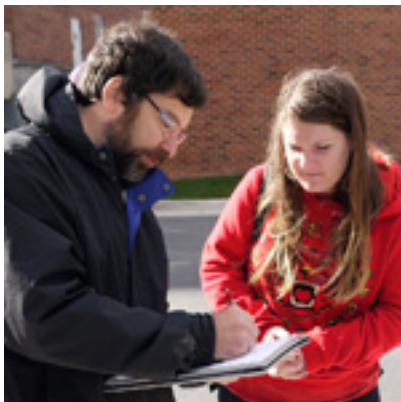
Looking back on the fall semester, there were several noteworthy accomplishments. Congratulations to our December 2014 graduates. Keith Williams, President and CEO of Underwriters Laboratories, was the featured speaker at the A. James Clark School of Engineering Commencement Ceremony. There were 8 B.S. graduates, 10 M.S. graduates and 3 M.Eng. graduates.

This fall, Clinical Professor Ken Isman completed his first semester, we participated in the 2nd annual MPact week, Team Mulciber (the wood stove team) continues to receive awards and our research activity continues at a high level. Congratulations are extended to the new honorary member of Salamander, Rodger Reiswig of Tyco Fire Protection Products, inducted in November.

The department had three well attended open houses this fall, and we've initiated development of a special program to introduce high school students to fire protection engineering. This program will be provided in the spring at a local high school, Elizabeth Seton High School. Current Ph.D. student Isaac Leventon, (B.S. '10; M.S. '11) offered his program, "Introduction to Math and Physics through Fire Dynamics" to 10th and 11th grade high school students for the third consecutive term this fall. See [fpe.umd.edu/hs-intro](http://fpe.umd.edu/hs-intro) for more information.

Finally, as we look back at the fall, we remember the passing of Dr. John Bryan, founder and initial chair of the department.

## In This Issue:



### First Semester Wrap-Up

Clinical Professor Ken Isman (B.S. '86) has completed his first semester at UMD! We talked to Ken and his students to find out how things went. [More »](#)



### Campaign Update: Gifts from Far and Wide!

Chris Giordano (B.S. '83), a recent donor to the campaign, traded his office for a hands-on job keeping U.S. personnel and equipment safe at Bagram Airfield in Afghanistan. [More »](#)

**THANK YOU, DONORS!** Your gifts help us ensure that we remain at the forefront of our field, cultivate industry-savvy graduates, and conduct applied research. [View our donor list and campaign progress chart »](#)



### Jack Poole Wins Inaugural Glenn L. Martin Medal

Alumnus Jack Poole (B.S. '86) received one of the Clark School's first Glenn L. Martin Medals "for his tireless efforts as an advocate for the field of fire protection engineering and volunteer leadership in the Department of Fire Protection Engineering in the A. James Clark School of Engineering." [Learn more »](#)



## WIFIRE Wins 3 High Performance Computing Awards

WIFIRE, the wildfire modeling system whose design team includes FPE professors [Michael Gollner](#) and [Arnaud Trouvé](#), received three of [HPCwire](#)'s annual Readers' [and Editors' Choice Awards](#) at the 2014 International Conference for High Performance Computing, Networking, Storage and Analysis. [Learn more »](#)



## Burning Christmas Trees...For Science!

*PBS Newshour* came to graduate student Isaac Leventon's [Introduction to Math and Physics Through Fire Dynamics](#) program for high school students to find out why Christmas tree fires are so dangerous, and to compare growth rate and peak fire size in natural and artificial trees. [Learn more / Links to TV Coverage »](#)



## Myers: One of Maryland's "Innovators of the Year"

Ph.D. student Taylor Myers (B.S. '12 and M.S. '14) was named one of the *Maryland Daily Record's* 2014 [Innovators of the Year](#) for his role in developing Mulciber, a 93% efficient wood-burning stove. [Learn more »](#)

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