

UNIVERSITY OF MARYLAND / FEARLESS IDEAS

FLASH POINTS

FIRE PROTECTION ENGINEERING



FEATURED PHOTO: A scene from FPE's annual Alumni Dinner. *Photo by Michael Gollner.*

[FPE NEWS](#)

Message From the Chair

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

Highlights during the last year include:

Dr. [Stanislav 'Stas' Stoliarov](#) has been promoted to associate professor, effective this August. Dr. Stoliarov joined us in 2010 and has been a key contributor to the department's activities in the area of material flammability.

Ken Isman completed his first year with us. He taught several classes involving fire suppression and detection systems, and assisted with the Capstone design course. The reaction from students was outstanding!

The department graduated over 40 B.S., M.S. and M.Eng. students in May. In addition, one Ph.D. was granted to Dr. Haiqing Guo, who studied under the direction of Dr. [Peter Sunderland](#).

[The inaugural group of Distinguished Alumni](#) was recognized at the Alumni Dinner in June at the NFPA Conference in Chicago. In addition to the recognition at the dinner, a display was created of the 11 Distinguished Alumni in the entrance hallway to the department offices. The list of this year's awardees and a photo of the hallway display are [available online](#). Nominations for the 2016 class of Distinguished Alumni are now being sought. Please submit the names of those alumni who you think have made outstanding achievements in the field and/or significant contributions to the department to Chris Dubay at cdubay@nfpa.org with a brief description as to why you feel they should be honored.

In the last newsletter, I discussed the collective effort underway to enhance our recruiting activities. This began last fall with a new set of print materials for the undergraduate and graduate programs. Nicole Hollywood has just completed a Powerpoint presentation that can be sent along with print materials to any alumnus or alumna willing to attend career fairs at high schools or community colleges around the country. Contact nlholly@umd.edu for a copy of the file.

We also completed a cooperative effort with an engineering instructor at Elizabeth Seton High School in Bladensburg, Md., and hope to expand it next year. The "[Intro to Math and Physics through Fire Dynamics](#)" program, offered for twice a year for the last two years by Ph.D. student Isaac Leventon, will continue and was recently recognized by Prince George's County Schools as being eligible for high school credit.

Just recently, Ms. Marah Taylor left us to take a full-time position elsewhere on campus. While with us in a part-time capacity, Marah contributed significantly to the department in many ways. We wish her well in her future endeavors. Until a new person fills her position, please direct any job postings to enfp@umd.edu.

In This Issue:



Capstone 2015: Protecting the National Museum of the American Indian

In their final project, FPE seniors students utilized what they learned throughout their studies to solve a real-world problem: How to protect a Smithsonian museum, including the people and artifacts within, from fire and smoke. *Photo by D.B. King.* [More »](#)



Campaign Update: AFSA Announces Support

PRESERVE OUR LEGACY
SAFEGUARD OUR PROFESSION
FOSTER IMPACT

The [American Fire Sprinkler Association](#) (AFSA) recently announced a \$25,000 financial commitment to the Legacy Campaign. AFSA President Steve Muncy stated: "...we are proud to continue our support in the development of future fire protection engineers by becoming a corporate sponsor in this important campaign. This is an investment in the future of our industry and our member companies." [Learn more »](#)

THANK YOU to all of the [generous donors to the Legacy Campaign](#). Your investments have already had an impact on students who are being exposed right now to the applied side of the profession by inaugural professor of the practice Ken Isman. As many of you are aware, we were able to bring Ken on board through the generosity of dean of engineering Dr. Darryll Pines. **However, that support ends on June 30, 2016.** If you've been considering your own gift to this campaign but have not yet made one, our Development Officer, Allison Corbett, would love to talk to you. You can reach her at acc@umd.edu or by phone at 301-405-5841. Or, you can [make your gift to the campaign today online!](#)



Wildfires and Community Resilience

Assistant Professor Michael Gollner and his group are at the forefront of wildland-urban interface fire research, a largely unexplored but desperately needed area of research. The NFPA recently published a report authored by Gollner and his students that examines what individual homeowners and communities as a whole can do to protect themselves and their property from wildfires. [Learn more »](#)



Elizabeth Seton High School Students Take the FPE Design Challenge

A new FPE outreach program taught local students core strategies such as compartmentalization, ventilation, material flammability, detection, and suppression, then challenged them to design and build a scale model home capable of resisting fire spread. [Learn more »](#)



Getting a Head Start on a Career In Computer Science with FPE

Tamfor Dulin knew he wanted to pursue a career in computer science or computer engineering, but his high school didn't offer any classes on the subject. He found a hands-on solution in a place many people wouldn't have imagined: an internship with the University of Maryland's Department of Fire Protection Engineering (FPE). *Photo courtesy of PBS Newshour.* [Learn more »](#)



WIFIRE Wins Best Paper Award at ICCS 2015

Ilkay Altinas, Jessica Block, Raymond de Callafon, Daniel Crawl, Charles Cowart, Amarnath Gupta, Mai H. Nguyen, Hans-Werner Braun, Jurgen Schulze, Michael Gollner, Arnaud Trouvé, and Larry Smarr won the Best Workshop Paper Award at the International Conference on Computational Science for "Towards an Integrated Cyberinfrastructure for Scalable Data-Driven Monitoring, Dynamic Prediction and Resilience of Wildfires." The paper was produced by the [WIFIRE project](#), a National Science Foundation-sponsored collaboration between UCSD and UMD.



UMD to Host 10th U.S. Nat'l Combustion Meeting

The University of Maryland will host the 10th U.S. National Combustion Meeting in the spring of 2017. The 3-day, biennial meeting is the premier combustion science meeting in the country, and brings together approximately 500 researchers from around the nation. The UMD host committee is chaired by FPE professor Arnaud Trouvé and is composed of faculty members from four A. James Clark School of Engineering departments: Michael Gollner, André Marshall, Stanislav Stoliarov, Peter Sunderland, and Arnaud Trouvé from FPE; Christopher Cadou, Ryan Houim, Pino Martin, Elaine Oran and Kenneth Yu from Aerospace Engineering; Ashwani K. Gupta and Johan Larsson from Mechanical Engineering; and Michael Zachariah from Chemical and Biomolecular Engineering.



Alumni Publish Book on Performance-Based Design
FPE alumni Morgan Hurley (B.S. '90, M.S. '00) and Eric Rosenbaum (B.S. '85, M.S. '97) have authored a new book, *Performance-Based Fire Safety Design*. The book grew out of the curriculum they developed for FPE's online course ENFP 662: Performance Based Design. [Learn more »](#)



Alumnus Appointed Executive Director of NFPA's Fire Protection Research Foundation

Casey Grant, PE (B.S. '81) was named executive director of the [Fire Protection Research Foundation](#). The Foundation, an affiliate of the [National Fire Protection Association](#) (NFPA), manages research on a broad range of fire safety issues in support of the NFPA mission. [Learn more »](#)



Singh Among Top 2% of UMD Graduate Assistants

Ph.D. student Ajay Singh, advised by FPE assistant professor Michael Gollner, has received a 2015 Outstanding Graduate Assistant Award from the University of Maryland Graduate School. [Learn more »](#)



Myers Wins All S.T.A.R. Fellowship

The University of Maryland Graduate School has awarded Ph.D. student Taylor Myers (B.S. '12 and M.S. '14) an All-S.T.A.R. (Scholarship, Teaching, Administration, Research) Fellowship in recognition of both his outstanding scholarship and service as a graduate assistant. The award includes a \$10,000 stipend. [Learn more »](#)

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