

inFIRE Conference 2015 Authors



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FM Global, Norwood, Massachusetts, USA

Celebrating our Diversity

Richard Campbell is a senior research analyst in the Fire Analysis and Research division at the National Fire Protection Association. He has a doctorate in work environment policy and a master's degree in social economy and social policy. He has an extensive background in occupational health and safety policy and research and serves on the editorial board of *New Solutions*, an occupational and environmental health policy journal.

Jay Cannon is Assistant Vice President Enterprise Learning, Manager of FM Global's SimZone.

Dr. Jaap de Vries Dr. Jaap de Vries is a Senior Research Scientist at FM Global. For nearly two centuries, FM Global has provided many of the world's largest organizations unmatched expertise in creating comprehensive, global commercial and industrial property insurance and engineering-driven risk management solutions.

Dr. de Vries has over 8 years of experience in combustion related research. He has a B.S. in Aeronautical Engineering from the College of Amsterdam, a M.S. in Aerospace Engineering from the University of Central Florida, and a Ph.D. in Mechanical Engineering from Texas A&M University. His research interests include fire suppression, combustion and flame phenomena, IR thermography, design of experiments, and gas-turbine combustion. He has authored over 35 journal and conference papers.

Dr. de Vries leads large-scale fire testing programs, and conducts fundamental fire suppression research, including the application of novel IR thermography techniques to capture the dynamics of large-scale fires, digital image processing, and heat release rate and flame emission analyses. His work has resulted in new FM Global protection designs for the storage of distilled spirits and for flammable liquids in small metal containers. In addition, he is an instrumental member of the ongoing fire modeling efforts at FM Global; providing fundamental experimental data, which include unique measurements of surface temperatures of burning solids, fire spread rates, radiant fractions, and the interaction of water film flow with burning surfaces.

Prior to working as a research scientist for FM Global, Dr. de Vries performed experiments to determine laminar burning velocities and homogeneous gaseous ignition behavior of fuel blends at practical pressures encountered in gas-turbine applications. This work has been recognized as outstanding by receiving the 2008 Best Paper Award of the Technical Committee of the International Gas Turbine Institute. Dr. de Vries is an active member of the Combustion

Institute, the National Fire Protection Association (NFPA), and the Society of Fire Protection Engineers (SFPE).

David Ehrenhart is the Archivist and Metadata Librarian at the Illinois Fire Service Institute (IFSI). His main responsibility at the IFSI Library is managing the archives and institutional repository collections. The archives documents the overall history of IFSI, while the institutional repository specifically preserves the academic output of the Institute. Another major responsibility involves the management of the IFSI Library's fire history projects, such as the Illinois Firefighter Line of Duty Deaths Digital Image Collection Database (IFLODD). David also regularly contributes to more traditional library tasks, such as cataloging and answering questions at the reference desk. David has an M.S. in Library and Information Science from the University of Illinois at Urbana-Champaign and a Bachelor of Arts Degree in History and Political Science from Monmouth College. He has been an IFSI archivist and librarian since 2011.

David Fuller is the Fire Protection Section Manager within FM Global's Engineering Standards group. He has 25 years with the company and a broad knowledge of fire protection and property loss prevention. (David and Kristin Jamison (who is from FM Global's Research group and was unable to attend today due to a schedule conflict) co-managed the project he will be presenting today.)

Casey C. Grant, P.E., FSFPE is the Research Director for the Fire Protection Research Foundation, a non-profit organization that works with the National Fire Protection Association as its research affiliate. Casey holds a Bachelor of Science degree from the University of Maryland and a Master of Science degree from Worcester Polytechnic Institute, both in Fire Protection Engineering. He is a Registered Professional Engineer in Fire Protection Engineering in the States of California and Tennessee, and is a member of both the Beta and Gamma Chapters of the Salamander Fire Protection Honorary Society. Casey is a Fellow of the Society of Fire Protection Engineers, a Fellow of the Institute of Fire Engineers, and has one fire protection related U.S. patent. Prior to joining the Research Foundation in 2007, Casey was the Secretary of the NFPA Standards Council and Assistant Chief Engineer.

Martha Gunnarson has a BA in Geography from Clark University, and an MLS from Simmons College. In June she will have been at WPI for 28 years.

She spends her work days chained to a computer, trying to beat eResources into submission.

At home, she feeds and cleans up after 5 cats, who shed all over everything in return. On Sundays, she volunteers at a cat shelter, where she feeds, cleans up after, and gets shed on (and scratched) by another couple dozen cats.

Gary Keith is FM Global's Vice President-Engineering Standards, overseeing the development of technical guidance to understand and mitigate the property hazards in client locations.

Prior to returning to FM Global in 2013, Gary worked 18 years for the National Fire Protection Association in Quincy (Mass.) serving as Vice President-Field Operations and overseeing six divisions responsible for the outreach of NFPA's fire safety mission. Prior to going to NFPA in 1995, Gary worked 15 years for FM Global in various field engineering and management positions. He also served his home town community for 20 years as a call firefighter and fire protection engineer with the West Bridgewater (Mass.) Fire Department.

Gary has been a member of the Home Fire Sprinkler Coalition, a project dedicated to public education for residential fire sprinkler systems, since its inception and served as its president from 1996 to 2013.

Gary has a B.S. degree in mechanical engineering from Wentworth Institute of Technology and is a graduate of the Management Development program at Harvard Business School.

Laura Logan has been the Research Librarian at Safety Engineering Laboratories since 2000 and is an ICC Certified Building Inspector. She provides historical construction and fire code research services as well as general engineering reference and research assistance to scientists and fire investigators, coordinates the organization's archives and performs acquisition, cataloging and maintenance of the library collection. She is a longstanding member of inFIRE and the Special Libraries Association.

Dr. Lian Ruan has been Head Librarian for Illinois Fire Service Institute (IFSI) on the University of Illinois at Urbana-Champaign (UIUC) campus since 1999. In 2006, she was named Director of IFSI's International Programs. Dr. Ruan is an adjunct faculty at the Graduate School of Library and Information at UIUC and has taught the course of Special Library Administration since 2002. Since 1999, with \$317,264 of grant awards she received from the Illinois State Library, a division of the Office of Secretary of State and other agencies, Dr. Ruan has built and developed the IFSI Library into one of the top three fire service libraries in the U.S. and the only fire-science library in Illinois. The library is among the 30 finalists for the 2015 National Medal for Museum and Library Service. The National Medal by the Institute of Museum and Library Services (IMLS) is the nation's highest honor given to museums and libraries for service to the community. With numerous publications, Dr. Ruan's research interests cover use and users of information, outreach library services, special library management, and international librarianship. As a Chinese American Librarians Association (CALA) lifetime member, Dr. Ruan has served on several CALA committees. She has been president of the CALA Midwest Chapter and is Vice President Elect (2014/15) and President Elect of CALA (2015/16). She is a CALA Representative of the ALA Task Force on Equity, Diversity, and Inclusion. She has served on state and

international committees, including the Illinois State Library Advisory Committee, the ILLINET Network Advisory Council (INAC), and the inFIRE (an international fire library consortium) Committee, on which she is currently serving as Chair. She has also acted as Downstate Representative on the Board of Directors for the Special Libraries Association (SLA) Illinois Chapter and serves on the SLA Emergency Preparedness and Recovery Council and Diversity Leadership Development Program Committee. She is a member of the Association of College and Research Libraries 75th Anniversary Celebration Task Force and its representative to the ALA Advocacy Coordinating Group. She is the winner of the University of Illinois Chancellor's Academic Professional Excellence award and the Special Libraries Association Diversity Leadership Development Program award. Among IFSI international training programs, she has helped organize the Chinese Librarians Summer Program since 2005 in cooperation with partners both in the United States and China. The Summer Program has trained more than 220 librarians from 84 organizations all over China, including the Western Region. She received the Distinguished Contribution Award from the Chinese Academic and University Library Association, Library Society of China.

Mary Elizabeth Woodruff is the Manager of Library and Information Resources at NFPA. She has a masters of library and information science and a juris doctor. Mary Elizabeth has extensive experience conducting legislative and regulatory research as a law librarian. Since joining NFPA in 2013, she has begun learning about the issues and research surrounding fire, electrical, and related hazards.