SFPE New Jersey

NJSFPE
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FUSIBLE LINK

October 2025

Mark Your Calendars - Next Chapter Meeting

Joint Meeting with AFAA – NJ
Thursday, November 6th, 2025
Hanover Manor, East Hanover, NJ

Topic: Flame Detection

Existing Fire Detection Solutions
Purpose/Principles of Flame Detection
Flame Detector Applications
Installation Considerations and Accessories

Speaker: Craig Miklencic. Mike is a Sales Representative for Rosemount Analytical since February 2023 covering SE New York, Northern NJ and Eastern PA. Mike graduated from Stevens Institute of Technology in 1989 with a degree in Mechanical Engineering. I have held various positions in technical sales over the past 30 years providing solutions to industry and commercial buildings. He has been involved with water purification and filtration, pumps, all manner of instrumentation and control
products.

NJSFPE Bylaw Change

Based on NJ State requirements we are adding four additional sections to our existing Chapter Bylaws. The new sections below will be added once approved by the Board of Trustees and the membership. We will discuss and vote on the additions at the November Meeting.

Section 2.3 No part of the net earnings of the organization shall inure to the benefit of any private shareholder or individual.

Section 2.4 No substantial part of the activities of the organization is carrying on (political) propaganda or otherwise attempting to influence legislation. Additionally, the organization does not participate or intervene in (including the publishing or distributing of statements) any political campaign on behalf of any candidate for public office.

Section 3.10 There shall be a Chapter membership category of **Lifetime Member**. This may be awarded to long-term members in good standing. Candidates must be nominated by two current Chapter Officers and affirmed by a majority vote of the Trustees following consideration of their qualifications. Lifetime Members are not required to pay dues, have full voting rights concerning Chapter business and may run/hold office on the Executive Board if otherwise qualified.

Section 3.11 There shall be a Chapter membership category of **Honorary Member**. Current Chapter membership is not required for this award. Candidates must be nominated by two current Chapter Officers and affirmed by a majority vote of the Trustees following consideration of their qualifications. Honorary Members are not required to pay dues, membership is for life, but they have no voting rights concerning Chapter business and may not run/hold office in the Chapter.

Any questions or comments can be directed to: contact@sfpenj.org

Chapter Meeting Minutes Sept 22, 2025

President Marvin Maradiaga convened the meeting at about 5:00PM at the Kenilworth office of United Fire Protection (UFP). There were 28 in the attendance, including about a dozen students and staff from Lincoln Tech. Marvin introduced Dave Davis, our new Trustee who will fill the remainder of Natasha Pandya's term. We thank Natasha for her work this past year and wish her well in the future. And of course, welcome Dave. Marvin next announced that the Chapter's next meeting will be a joint one with the AFAA-NJ on Nov.6 at the Hanover Manor. It will be about optical fire detection and gas detection.

The Meeting presentation was by Frank Savino of UFP titled 'Water Mist Fire Protection for Large Data Centers'. Some high-lites; NFPA 750 v2023 specifies fine mist as 99+% water droplets less than 1000 microns (µM) (or 0.04" or 1/32"). By absorbing heat the mist cools the fire atmosphere and when the liquid expands to vapor (1760:1) it displaces oxygen available to the burning materials. By comparison water mist uses about 50 to 75% LESS water than water sprinklers do (not accounting for hoses). Water mist systems have three categories; high pressure (>500psi), low pressure (</=175 psi) and intermediate pressure (in between). Nozzle orifices are accordingly small and require strainers to prevent clogging. Likewise stainless steel or copper (sometimes plastic) pipe are used rather than black or galvanized to avoid corrosion. One disadvantage is that airflow can move the mist around and away from its intended target so environmental airflow limits have to be considered. These systems must be designed 'as listed'. NFPA 750 does not offer specifications. However FM Approvals Standard 5560 covers system listing and FM Approvals has tested and approved numerous systems according to 5560. Their Data Sheet 04-02 offers general design guidance as well. For a large Data Center Frank gave an example of a design requirement of 0.08 gpm/sq ft over an 864 sq ft operating area. A lively question and answer period followed. Thanks to Frank and his staff for an informative evening. The meeting was adjourned at 7:30PM.

David J Davis Joins Chapter Board of Trustees

David J Davis, State Coordinator - New Jersey, National Fire Sprinkler Association has joined the NJSFPE Chapter Board of Trustees. He replaces Natasha Pandya of FM Global who has completed her term on the Board. Thank you to Natasha for your service to the Chapter and welcome David to our Chapter team.

The National Fire Sprinkler Association is a non-profit association of suppliers, manufacturers, contractors, architects, engineers, AHJs, Fire Service personnel and all others dedicated to gaining the worldwide acceptance of the fire sprinkler concept. The mission includes efforts in education and code development to save people from the devastating effects of unfriendly fire. NFSA is the voice of the fire sprinkler industry.

Fight critical fire scenarios without serious environmental impact

The cULus Listed and FM Approved Oxeo Extinguishing System from Viking offers a unique solution for high-challenge fire events with its use of nitrogen (IG-100) and argon (IG-01), two natural components of the ambient air, as extinguishing agents. Oxeo is available in both its original pressure reducing and new "constant flow" options.

Because these inert gases are electronically non-conductive and leave no residue, they are designed to prevent fires in high-risk areas such as data centers, galleries, evidentiary or pharmaceutical storage, turbines, and many more applications that contain sensitive equipment.

Features and advantages of Viking's Oxeo Extinguishing System:

- Inert gas suppression is a sustainable solution — Oxeo systems will not result in harmful environmental impacts upon use, and also prevents secondary damage to sensitive equipment
- Inert gases are excellent for extinguishing fires of Class A (solid matter), Class B (flammable liquids), and Class C (energized electrical equipment)
- System size is based on cubic feet of protected area, and up to 99 tanks can be actuated pneumatically. Systems are released electronically, requiring a form of detection and a releasing control panel
- Viking provides everything for the complete system, including custom racking options and kitted offerings for easier ordering
- Oxeo is cULus Listed and FM Approved for Class A, B and C fires

** Oxeo is not FM Approved or cULus Listed for Class D fires, but can be used to suppress a Class D fire (metals, such as 3D metal printing machines) due to its use of Argon.*

For more information, please contact your Viking SupplyNet sales representative or visit our website at **vikinggroupinc.com**.

TECHNICAL SPECIFICATIONS

Listings/Approvals*	cULus Listed FM Approved
Tank Capacity:	30, 80 and 140L
Pressure Rating:	2,901 psi (200 bar) 4,351 psi (300 bar)
Occupancy/Hazard:	Classes A, B and C

For technical data and system part numbers, please visit vikinggroupinc.com.

DIGITAL TOOLS

Our Oxeo System Estimator allows users to quickly configure and size their Oxeo inert gas suppression system for estimation purposes. Visit oxeo.vikingcorp.com to get started.

MKT-1150

General reference only. Prior to the design, layout, and/or installation of any suppression system, please refer to Viking's technical documentation and consult with the AHJ.

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Work For Risk Logic click Here

Northeast D.C. Transformer Fire Underscores Electrical Hazards

Link to article Here

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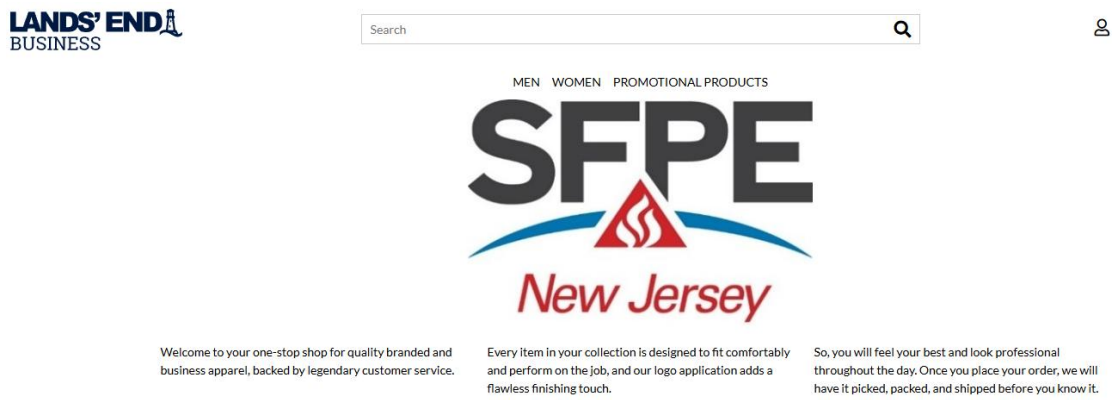
NJ SFPE Chapter Merchandise



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Are you a professional member?

If you haven't already, apply for professional membership to become the gold standard in your profession. Encourage your chapter members to do the same. Professional membership is highly regarded and increasing the number of professional members will improve your Chapter's ACE score!

More Info - Go HERE

Chapter Leadership

Officers (One Year Term – August 1, 2025 to July 31, 2026)

President - Marvin Maradiaga
Vice President - Evan Fitzgerald
Secretary - Joe Janiga
Treasurer - Richard Reitberger

Trustees (Three Year Terms – Alternating Years)

Jim Loftus (**3 Year Term July 1, 2025 to June 30, 2028)**
Victoria Valentine **(3 Year Term July 1, 2023 to June 30, 2026)**
Ernesto Vega-Janica (**3 Year Term July 1, to June 30, 2027)**
Mark Bagniewski **(3 Year Term July 1 '25 to June 30, 2028)**
David J Davis (**3 Year Term July 1, 2023 to June 30, 2026)**

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Rich Reitberger – Fusible Link
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416 Bergen Street # 219
Harrison, NJ 07029

*Please send your Scanned Business Card or Artwork to the following e-mail address: richreit522@gmail.com

Any questions call Rich at: 973- 902-1319

Thank you for your continued support

Questions or Comments or if you need further information about the Chapter contact the Fusible Link editor at contact@sfpenj.org