President’s Message….

The 9th Annual NJSFPE-AFAANJ Spring Symposium and Trade Show was held on Thursday, April 19th and was a great success. Over 30 vendors and over 90 attendees benefitted from a day of learning and networking. In the morning we learned of impending changes to NFPA 92 in the proposed 2019 Edition by speaker Merton Bunker. Rich Silvia followed with an explanation of the new Carbon Monoxide Alarm requirements under the NJ Building and Fire Codes, including a retrofit requirement.

Kathie Conlon with the St. Barnabas Burn Center spoke to devastating trauma that fire victims and first responders go through because of fire.

After a buffet lunch, we broke into two groups lead by Andy Lynch of Fire Solution Group speaking to the unique characteristics of Self Expanding Fire Fighting Foam Systems. In the second room, Ray Reilly with Honeywell Fire Systems spoke about Low Frequency Notification.

Closing out the day, Sharron Halpert of Halpert Life Safety Consulting shared some Fire Stopping basics on what to look for on your construction sites to ensure the integrity of fire rated assemblies. Frank Savino with United Fire Protection spoke about the latest technology integrating nitrogen generators into sprinkler design to reduce or eliminate the corrosive effects of oxidation on fire sprinkler piping.

I would like to thank Jim Loftus and his committee for organizing and running the symposium and trade show.

Join us at our May monthly chapter meeting next Monday, May 7th, Tracey Bellamy with Telgian Corporation will be presenting ‘Fire Pump Arc Flash’. An important safety message for all of us who interact with fire pumps and controllers.

Paul
Chapter President
Tuesday, MAY 15
9:30am to 2:30pm
PUBLIC SAFETY IN-BUILDING RADIO BOOSTER SYSTEM CODE TRAINING

Apply International Fire Code and NFPA 72 & 1221 Codes relevant to Public Safety In-Building Radio Booster Systems for greater confidence, efficiency, and compliance.

Led by the Safer Buildings Coalition's Chief Alan Perdue, CFO, FM, MIFireE, together with subject experts from our sponsor members and other industry experts, this interactive seminar is based on model codes regarding in-building public safety communications systems.

Agenda:

- **SPECIFIC NYC REQUIREMENTS: ARCS!**
- **SPECIFIC NJ REQUIREMENTS:** Guest Speaker: Richard Silvia, CFEI
  - President of the State of NJ Fire Prevention & Protection Association.
  - Chief Fire Marshal / Fire Sub Code Official, Saddle River, NJ
- General Code Requirements, Growth Market Opportunity, Basic System Topology/Design
• Cellular Communication vs. Public Safety Communication Systems
• National and Local Code Requirements for Public Safety Radio Communications
• Recent and Planned Code Updates – NFPA, IFC
• System Specifications and Layouts
• System Commissioning and Testing Best Practices
• Group Discussion and Town Hall
• Equipment Exhibits and Demonstrations
• Lunch Provided!

Sponsors: Graybar, RF Industries, ADRF, Notora, RF Solutions

LOCATION: BRYANT PARK WeWork -54 W 40TH ST
NEW YORK CITY, NY 100360
REGISTRATION LINK: https://sbc-newyork-may2018.eventbrite.com

Safer Buildings Coalition Events Link: www.saferbuildings.org/events

Automatic Fire Alarm Association of NJ | AFAANJ, Inc., PO BOX 3048, Wallington, NJ 07057

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Students Attend April AFAA/NJSFPE Joint Seminar

Three Lincoln Tech students attended the April AFAA/NJSFPE joint seminar. The three students are enrolled in Lincoln Tech’s Electrical and Electronics training programs which are designed to prepare students for the installation and service of residential, commercial, and industrial electronic systems. The Electronic Systems Technician training focuses on critical low-voltage technology systems found in security and fire alarm systems. The Union NJ campus also has a “Smart House” where Electrical and Electronic Systems Technician (EEST) students train on low-voltage systems and equipment. A number of Lincoln's graduates have found jobs with area fire alarm contractors. The three students said the seminar subjects and speakers were "awesome".
SFPE New Jersey Chapter
Nomination of Officers and Trustees
2018-2019 Term

In accordance with the new Incorporated Bylaws of the New Jersey Chapter, SFPE the following is the proposed slate of Officers and Trustees for the upcoming Chapter year beginning August 1, 2018. The election is scheduled to be conducted at the Chapter’s annual business meeting to be held on Monday, June 18, 2018 at the Hanover Manor, East Hanover, NJ.

OFFICERS
President, Paul McGrath
Vice President, Chris Vitale
Secretary, Joe Janiga
Treasurer, Marios Michaelides

TRUSTEES
Jim Loftus (1st year of 1 year term)
Marvin Maradiaga (1st year of 2 year term)
Ernesto Vega-Janica (1st year of 3 year term)
Dave Gluckman (1st year of 1 year term)
Glenn Buser (1st year of 2 year term)

NOMINATING COMMITTEE
Rich Reitberger
Jim Burge

The Chapter encourages volunteers to serve in leadership roles on the Board or on Committees. Any member who desires to run for Chapter Office or serve on a Committee is encouraged to do so by contacting Rich Reitberger at richreit522@gmail.com at least 4 weeks before our business meeting.

Regards,

Rich Reitberger
Nominations Chair
NJSFPE
The above symposium was a great success, we had far more trade show vendors than ever before at 54 as well as a high turnout of attendees at 95. Special thanks for the huge amount of time and effort that Jim Loftus and Rich Reitberger put into organizing the symposium!

There were many educational presentations and detailed handouts from those presentations. It is impossible to fully summarize the content of all of this valuable information but we thought it might be worthwhile to show a couple of screen prints of the content from some of them below:

**Proposed Changes to NFPA 72 - 2019 Edition**

**Proposed “Global” Changes**

- Dissolve NFPA 720 and blend applicable requirements into NFPA 72, for Carbon Monoxide equipment and systems.
- Change “fire alarm systems” to “fire alarm and signaling systems”.
- Change “speaker” to “loudspeaker”.
- Change “hearing impaired” to “deaf”.
- Change “visible” to “visual”.
- Clarify the use of “activate” vs “actuate”.
- Change “communication” to “communications”.
- Change “enforcing authority” to “authority having jurisdiction”.
- Correlate all SI and Standard units for consistency.
- Elimination of exceptions, where possible.

**Proposed Changes SIG-FUN**

Change: Revise text:

3.3.3 Accessible, Readily (Readily Accessible).

Capable of being reached quickly for operation, renewal, or inspection without requiring those to whom ready access is requisite to take actions such as to use tools (other and keys), to climb over or under, to remove obstacles, or to resort to portable ladders, and so forth.

Reason: The definition of readily accessible is extracted from Article 100 of NFPA 70.

**Self Expanding Foam Systems**

Foam

Foam is the preferred means to combat Class B fires by firefighters.

- Conventional systems depend on complete infrastructure to produce foam (i.e. water supply, pumps, and proportioning).
- Conventional foam must be utilized as soon as its produced; it cannot be stored as a finished product.
- Currently, conventional low-expansion foam systems are governed by NFPA 11 as required by owner/operators, AHJ, and/or insurance industry.

Note that the true requirement is based on risk and the execution of a risk analysis (performance based design approach). The industry also utilizes API 5001, 2050, and API 2021 as recommended practices for specific hazards.

SEFS Advantages

- Proprietary manufacturing process, but uses any foam concentrate desired.
- System requires NO WATER SUPPLY, FIRE PUMPS, PROPORTIONING or REDUCTION of foam Concentrate.
- System is simple, user controlled valve.
- System can be activated manually or automatically (via push button stations or controls).
- SEFFS systems is manufactured to provide a 1:1 expansion ratio. That is, a 200-gallon tank of SEFFS produces UP TO 5,000 gallons of immediate fire fighting foam.
- Foam quality consistency (first drop is the same as the last).
- Product shelf life inside of the SS pressure vessel is indefinitely due to the environment (no liquid, no oxygen).
- Prefilled Units meet the performance based sections of all local, state, and national codes and standards. All design is reviewed by a Licensed Fire Protection Engineer P.E., and is hydraulically verified via our proprietary computer software (GRENII).
- Meets and exceeds the performance requirements of UL-162 protocol testing.
Sleeping Area Audible Occupant Notification Requirements

Agenda
- Sleeping Area Audible Occupant Notification Requirements
  - Code Requirements
  - Background Information
    - Why the changes?
  - Technical Discussion of ‘Low-Frequency’ Notification
    - Quick overview of ‘low-frequency’ and square waves
  - Equipment Requirements
    - Performance and Listing
  - Additional Sleeping Area Requirements
    - Audibility, Intelligibility, and Visible Notification

Background Information on ‘Low-Frequency’ Notification
- Why the change?
  - Fire Protection Research Foundation, Optimizing Fire Alarm Notification for High Risk Groups Research Project
  - Hearing Impaired
  - Alcohol impaired
- Tested multiple audible, visible, and tactile notification methods
  - 500Hz square wave determined to be more effective than other signals for notification of studied groups

Internal Corrosion of Sprinkler Pipe: Causes, Consequences, & Countermeasures

Wet-Pipe System Air Vent

![Wet-Pipe System Air Vent Diagram](image)

**NOTE:** NFPA 13 – 2016 (7.1.5 and 8.16.6) now REQUIRES air vents for wet-pipe systems!

Schematic Diagram – Typical Nitrogen Generating System

![Schematic Diagram – Typical Nitrogen Generating System](image)
PACKAGED FIRE BOOSTERS

- Custom packaged fire boosters with UL/FM components
- Packaged and tested in the U.S.A
- Single-source responsibility

“The Pump Boys”

Cullen

732-988-9600 | CullencoMpany.com
Company Background

Code Consultants, Inc. (CCI), a privately held and internationally recognized fire protection engineering and life safety consulting firm, is seeking experienced professionals to join our New York City office.

Founded in 1973, CCI is an industry leader, providing a diverse range of crucial fire protection and life safety consultation and design services including but not limited to:

- building and fire code consulting
- life safety consulting
- hazardous materials analysis
- accessibility consulting
- fire sprinkler design
- fire alarm design
- mass notification design
- fire and egress modeling

CCI’s experienced and trained team of over 80 professionals consist of fire protection engineers, architects, civil/mechanical/electrical engineers, code officials and members of the fire service. At CCI we value our team members and continuously strive to provide a great culture, career and personal development opportunities.

As a privately held firm, CCI’s management team is fully responsible for the strategic direction of the firm and successfully manages growth by maintaining a stable organizational structure, consistent professional service products across our offices, and applying objective performance-based compensation.

Role

As a member of the CCI team your responsibilities will include:

- Fire protection and life safety code consultation for a wide variety of projects and clients.
- Fire and egress modeling and developing alternate method concepts.
- Collaborating with CCI team members and clients, and interfacing with Building/Fire Officials.
- Participating in business development initiatives to expand and develop CCI services.
- Participating in the growth and development of your office, and CCI as a whole.

Qualifications

Ideal candidates will possess the following:

- A degree in fire protection engineering or related engineering discipline.
- Knowledge of Building/Fire/NFPA Codes and Standards related to fire protection and life safety.
- Excellent written and verbal communications skills.
- Be motivated by growth opportunities for themselves and CCI.
- Passion for providing the highest level of services to CCI clients.
- Sufficient experience to work autonomously on project related tasks.
- Fundamentals of Engineering (FE) or Professional Engineering (PE) licensure is desirable, but not required.

Compensation

CCI offers an excellent compensation package with an objective performance-based bonus program and benefits (including 401(k) with matching contributions, health, dental, vision, life and disability plans).

Contact

Interested and qualified candidates may send resumes to CCI’s Human Resources Department at HR@CodeConsultants.com.

Code Consultants, Inc. is EOE/Minorities/Females/Vet/Disabled
Donate today and help a Fire Protection Engineering student reach their goal of becoming an FPE. Your donation is also tax deductible. www.njsfpe.org/scholarship_fund_donations

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Jason Singh – Corrosion Specialist
Phone: 908-688-0300 x291
Cell: 908-887-0374
jsingh@ufpco.com
<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
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<tbody>
<tr>
<td>May 7</td>
<td>Fire Pump Arc Flash—Tracey Bellamy, Telgian</td>
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<tr>
<td>June 4</td>
<td>NJ-NY Metro Education Golf Outing</td>
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<tr>
<td>June 18</td>
<td>Dave Barber, Principal Engr, Arup—Topic: “Tall Wood Buildings”. Annual Chapter meeting and election of officers.</td>
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HELPFUL LINKS

ADAAG http://www.access-board.gov/adaag/about/index.htm
AFAA National http://www.afaa.org/
AFSA http://www.firesprinkler.org/
ANSI http://web.ansi.org/
ASHRAE http://www.ashrae.org/
Campus-Firewatch http://www.campus-firewatch.com/
Coffee Break Training http://www.usfa.dhs.gov/nfa/coffee-break/
CPSC http://www.cpsc.gov/
CSAA http://www.csaaul.org/
Municipal Codes (E Codes) http://www.generalcode.com/Webcode2.html
FM Global http://www.fmglobal.com/
FSDANY http://www.fsdany.org/regs.htm
FSI http://www.firesprinklerinitiative.org/
FSSA http://www.fssa.net/
Fire Tech Productions—Nicet Training (FTP) http://www.firetech.com/
Home Fire Sprinkler Coalition http://www.homefiresprinkler.org/
AFAA-NJ http://www.afaanj.org/
National of Fire Equipment Distributors (NAFED) - http://www.nafed.org/index.cfm

2017-2018 Chapter Committees

STANDING COMMITTEES
Program
Mike Newman
Arrangements
Vicki Serafin, Chairperson
Membership
Paul McGrath, Chairman
Nominating
Marvin Maradiaga
Jim Burge
Auditing
Vanessa Gallagher, Chairman
Rich Reitberger
Archivist/Historian
Jim Tolos, Vicki & Nicole
Speakers Gifts
Rich Reitberger
Communications
Fusible Link—Brad Hart
Bradhart0748@yahoo.com
Ana Crisostomo—Coordinator
Communications-Other
Paul McGrath
Mike Newman
Mailing/Automation/e-mail—Vicki Serafin, Chairperson
Webmaster—Mike Newman & Paul McGrath

SPECIAL COMMITTEES
Spring Seminar
Ed Armm—Chairman
Dave Kurasz—Sprinkler Speakers Coordinator
Jim Lofts—Alarm Speakers Coordinator
Paul McGrath—Vendor Coordinator
Bylaws
Jim Tolos, Chairman
Joe Janiga
John Antola
Career Recruitment
Tim Costello, Chairman
Donna Spano
Marios Michaelides
Chapter Excellence Awards
Ernesto Vega Janica
PE Examination
Donna Spano
Chapter Seminar/Field Trip
Richard Reitberger, Chairman
Ed Armm, CoChairman
Dave Gluckman
Nathan Gorey
Legislative
Rich Reitberger, Chairman
Jerry Naylis
Dave Kurasz
Finance
Rich Reitberger, Chairman
Vanessa Gallagher
C Patel

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Company: ________________________ Phone: ________________________

Email Address: ______________________

Membership Renewal Fee (CIRCLE ONE)
Business Card .................................................. $ 100
1/4 Page .......................................................... $ 250
1/2 Page .......................................................... $ 300
Full Page ........................................................ $ 1,000

Payment:
- To pay by Credit Card click here: Pay On Line Here
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  Vicki Lynn Serafin · Membership
  600 NJ Chapter SFPE
  P.O. Box 1068
  Paramus, NJ 07654-1196


*Please send your Scanned Business Card or Artwork to the following e-mail addresses:

Vicki.Serafin@affiliatedfin.com & richreit522@gmail.com

Any questions call Vicki at 973-541-6971

Thank you for your continued support!