



***Society of Fire Protection
Engineers***

Mid-South Chapter

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June16, 2009 Meeting Minutes

**Speakers – Chris Sharp, Business Development Manager
Topic – New Sprinkler Product Technology
Location – Benjamin Hooks Central Library
3030 Poplar Ave.
Memphis, TN 38111**

**Meeting Called to Order – 3:05 PM
Meeting Adjourned – 4:35 PM**

During this presentation Chris provided information on current sprinkler head and sprinkler system technology and the various applications for each type of head.

Technology covered included:

- **Control Mode Density/Area type heads (CMDA)**
- **Control Mode Extended Coverage (CMEC)**
- **Control Mode Special Application (CMSA)**
- **Suppression Type – Early Suppression Fast Response (ESFR)**
- **Institutional Sprinkler Heads**
- **AquaSonic Water Mist/Nitrogen system**

Control Mode Density/Area heads are the long standing type of sprinkler heads which has general use applications. The systems using these type heads are designed to provide a given flow rate over a specified design area.

Control Mode Special Application type heads usually have a larger spray orifice and a higher “K Factor”. The design is based on a given number of heads operating at a given pressure. These heads are designed for specific applications which usually involve higher fire challenge occupancies.

Control Mode Extended Coverage are similar to the Special Application type heads but have been listed to provide a larger coverage area usually a maximum area of 196 ft.² (18.2 m²).

Early Suppression Fast Response heads are designed to reverse the fire growth and suppress the extension of a fire. The design of systems using these heads require extreme attention to following required design parameters

in particular related to the distance of heads to potential obstructions to the water discharge pattern of each head.

Tyco has developed a new Institutional Sprinkler head that has been under development for 6 years. It has a totally recessed head and operating mechanism to help prevent tampering.

The AquaSonic system is a water mist system that uses a combination nitrogen/water injection nozzle to disperse a fine water mist to control fires in compartments. The systems are “Engineered” type systems primarily for class B fires. The normal system size includes 6 nitrogen cylinders and 50 gallon water tank.

Tyco has released a flow dynamics software product called SprinkFDT which is listed by UL.

For additional information the following contact information may be used:

**Chris Sharp
Business Development Manager
5249 Murrayhill Road
Charlotte, NC 28210
Phone – (704) 665-6253
Cell Phone- (704) 560-0787
E-Mail – chris.sharp@tycofp.com**

The Chapter would like to extend many thanks to Chris for providing an informative and interesting presentation.

Chapter Business –

Majid introduced Tom Christman, Past President of the Tennessee Valley Chapter of SFPE. Tom presented Jerry Vuoso, Past President of the MSSFPE with a plaque in appreciation for establishing the Mid-South Chapter SFPE. Tom then presented a “Ruby SFPE” pin to the two past and the present presidents of the MSSFPE Chapter:

**Jerry Vuoso, Past President
Sheldon Dacus, Immediate Past President
Majid Hatamzadeh, President**

Tom Christman then presented the chapter with a personal donation of \$500. He indicated he hopes that the chapter will establish a “Scholarship Fund” using this donation as seed money in this effort. He indicated that the TVSFPE has reached over \$100,000 in their fund and now has set a new goal of reaching \$250,000. Majid expressed deep appreciation for this donation and all the work that Tom has done for the chapter in the past including his past and present financial support.



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Majid Hatamzadeh and Jerry Vuoso provided a brief overview of the Chapter Technical Seminar to be provided on September 15, 2009. More information will be circulated in the near future regarding this seminar.

Majid indicated the new Chapter Web Site is now live. The web site will have a Sponsors page where local business can post advertisements. Contact Majid for further information.

Jerry asked that all individuals consider getting involved with the chapter by working on committees and considering becoming chapter officers. He indicated that during the November Business meeting, new chapter officers will be elected and the chapter needs new talent to fill these vital positions.

Minutes as recorded by Jerry Vuoso.