



***Society of Fire Protection
Engineers***

Mid-South Chapter

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April 21, 2009 Meeting Minutes

**Speakers – Mac Mottley, CEO axonx, LLC and James
Lynch, Technical Service Manager, axonx, LLC**

Topic – SignFire Video Fire & Smoke Detection

**Location – Benjamin Hooks Central Library
3030 Poplar Ave.**

Memphis, TN 38111

Meeting Called to Order – 3:05 PM

Meeting Adjourned – 4:15 PM

Video Fire & Smoke Detection is based on the use of stationary video cameras which use the visual light spectrum to detect fire and smoke. The system analyzes each picture frame pixel by pixel and uses analytical processes designed to identify the characteristics of flame and/or smoke. Using a detection algorithm the system focuses on an area of interest and analyzes the video image to identify a fire or smoke condition. Outputs include alarms and information to a video user interface system. The system can detect flames in open air, reflected fire light, smoke and motion detection. Trouble indications include changes in the image quality, loss of camera communication connection, poor image and loss of power. Video output is in MJPEG (Digital) or Analog output using a BNC connection. Camera power is by a Power Over Ethernet system requiring low voltage power supply. The system is the only FM Global Approved system of this type and has been tested in a modified UL/ANSI 268 protocol. These types of systems can be used in various types of occupancies including fossil and nuclear power generation, electrical substations, dusty areas, aircraft hangers, warehouses and special hazards occupancies. Typical camera coverage is about a 17,000 sq. ft area compared to a 900 sq. ft area for a standard smoke detector so costs are competitive as the area increases in size.

For additional information the following contact information may be used:

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

Chapter Business –

Majid Hatamzadeh reminded everyone to pay the annual chapter dues to support the chapter.

Majid 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 will be going live in the near future.

Minutes as recorded by Jerry Vuoso.