OUR MISSION
To provide a means of professional networking and knowledge advancement for the fire protection industry in the Nebraska, Iowa and South Dakota regions.

OUR VISION
The SFPE Great Plains Chapter will be the single point-source for professional networking and knowledge advancement for member of the fire protection community in the Great Plains regions of Nebraska, Iowa, and South Dakota.

OUR GOALS
• Reach 50 members by December 2011 - Achieved!
• Launch a student outreach program
• Reach out to other organizations and hold joint meetings

UPCOMING SPEAKERS
• Date: Wednesday, November 9th, 2011
• Where: Valentino’s Restaurant; 10190 Maple St. Omaha, NE
• Time: 11:45 AM - 1:00 PM
• Meal Cost: Buffet $20
• Meal Cost for SFPE Members $15
• RSVP: please do so through the website, no later than November 7th | http://www.sfpegreatplains.org

UPCOMING EVENT: AEI/ASHRAE EXPO
• Date: Wednesday, March 7th, 2012
• Where: Scott Conference Center
6450 Pine St. Omaha, NE 68106
• Time: TBD
• http://www.aei-ashraexpo.org
• contact: info@aei-ashraexpo.org

IN THIS ISSUE:
• A brief history of the SFPE
• September meeting highlights
• Application information

• Monthly meeting presentation
• Speaker highlights
HISTORY OF THE SOCIETY FOR FIRE PROTECTION ENGINEERS

THE SOCIETY OF FIRE PROTECTION ENGINEERS was established in 1950 and incorporated as an independent organization in 1971. It is the professional society representing those practicing the field of fire protection engineering. The Society has over 4000 members in the United States and abroad, and over 60 regional chapters.

THE SFPE GREAT PLAINS CHAPTER was newly formed in the Spring of 2011 by a team of fire protection professionals in the Omaha area. This early chapter board included many professionals specializing in design, code consulting, facility engineering and management, fire department officers, University of Nebraska faculty, contractors, and manufacturer representatives.

SEPTEMBER MEETING HIGHLIGHTS

• Advertising spots will be included at the end of the newsletter at a cost of $100 annually to run in the newsletter from August through May.

• A SFPE chapter excellence award evaluation form is available to act as a guide for self-performance tracking and to stimulate ideas for future development of the Chapter.

• The chapter will be making arrangements with the Omaha Fire Department for a training and community collaboration day.

APPLICATION PROCESS

WHAT DOES YOUR CHAPTER MEMBERSHIP OFFER?

• Networking with other fire protection industry professionals in the region.

• Monthly Chapter Meetings from September with guest speaker presentations to support knowledge and advancement of industry trends.

• Becoming a member is easy, just go to www.sfpegreatplains.org

• Chapter Membership: $25 and your membership is covered until August, 2012.

• Chapter Contact: email info@sfpegreatplains.org, check us out on Linked In

• Who is welcome? Absolutely anyone with interest in fire/life safety

OFFICERS

The following slate of officers has been nominated to serve through May 2012:

President: Shane Cherney
Vice President: Brian Erbstoesser
Secretary: Joe Hazel
Treasurer: Donna Kohlan
Board member at large: Michael Shumpert
Board member at large: Joe Mancuso
Board member at large: Sean Lebel
Board member at large: Dan Michalak
MONTHLY MEETING CALENDAR

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<th>Date</th>
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<th>Topic</th>
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<td>November</td>
<td>Heejin Parks</td>
<td>Flonomics: CFD Modeling</td>
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<tr>
<td>December</td>
<td>Doug Hutcheson</td>
<td>Hutcheson Engineering</td>
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NOVEMBER PRESENTATION
FLONOMICS: COMPUTATIONAL FLUID DYNAMICS (CFD)

Computational Fluid Dynamics (CFD) analysis is the problem solving process of fluid flow and heat transfer phenomena that are governed by the fundamental laws of physics. As a result of CFD analysis, detailed information for velocity, pressure, temperature, and smoke concentration is acquired in any given point within the space. This technique has widely been applied to various engineering applications including automobile and aircraft design, and recently the Fire Protection industry is starting to utilize CFD techniques rigorously for a performance based approach design, design optimization, and validation of systems. The technology not only provides exact, reliable, and highly detailed data for design engineers but helps to reduce cost and time since analysis can be done before physical modification/installation. This seminar will introduce this technique and share some of the examples on how to utilize this technique to various Fire/Smoke Management System applications.

SPEAKER INFORMATION

Heejin J. Park has been leading Computational Fluid Dynamics (CFD)/R&D division at Flonomix, Inc. located in Portland, Oregon. He has extensively applied computational airflow simulation techniques to various HVAC/IAQ applications, fire protection analysis, and toxic chemical spreading simulation for last 20 years. He published numerous technical papers and has been frequently invited for presentation of his work at technical conferences/meetings in his fields. He holds a bachelor degree from Seoul National University and a master degree from Korean Advanced Institute of Science & Technology (KAIST) and a Ph.D. from University of Michigan (Ann Arbor) in mechanical engineering. He is a registered professional engineer in Minnesota and an active member of ASHRAE. He recently moved to Portland, OR from Minneapolis, MN with his family. Before he moved, he had taught graduate and undergraduate in Department of Mechanical and Manufacturing Engineering at Minnesota State University at St. Cloud.