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What SFPE is

- Mission, Vision.
- Membership and chapters.

What SFPE Does globally and in Europe:

- Strategic Goal #1 - Trusted Resource for Fire Eng.
- Strategic Goal #2 – Advocate for the profession of FE
- Strategic Goal #3 – Education.
Is it interesting for me to be member of SFPE, Society of Fire Protection Engineers?
» What SFPE is
SFPE Mission

To define, develop, and advance the use of engineering best practices; expand the scientific and technical knowledge base; and educate the global fire safety community to reduce fire risk.

SFPE Vision

The leaders in engineering a fire safe world.
101 Chapters Worldwide

- 47 U.S.
- 21 Student
- 12 in Europe
- 5 in Canada
- 3 in Middle East
- 12 in Asia-Oceania
- 1 in Latin America
Membership

» 4,647 total members
  › 75% within U.S.
  › 25% outside the U.S.

» 447 in Europe (around 10% of total members).

Increased members by 20% in 2019.
Several Countries creating new chapters
Corporate 100 Partners

» No. of Partners: 55
  › Visionaries: 8
  › Benefactors: 9
  › Patrons: 11
  › Sustainers: 27
What SFPE Does
Strategic Goal #1 - Trusted Resource

» Research Roadmap
» Emerging Trends and Technology Advances
» Standards Development & Technical Documentation
Promote & Implement the Research Roadmap

<table>
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<tr>
<th>Research Needs for the Fire Safety Engineering Profession</th>
<th>TOOL, APPLICATIONS, &amp; METHODS</th>
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<tr>
<td></td>
<td>Data</td>
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<tr>
<td>Human Behavior</td>
<td>✓</td>
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<tr>
<td>Building Fires</td>
<td>✓</td>
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<td>Resilience/Sustainability</td>
<td>✓</td>
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<td>Fire Service</td>
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<td>Fire Dynamics</td>
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<td>Fire Safety Systems</td>
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<td>Forensics/Investigations</td>
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<tr>
<td>Wildland/WUI Fires</td>
<td>✓</td>
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<tr>
<td>Non-Building Fires</td>
<td>✓</td>
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</table>
Emerging Hazards, Products & Technologies Impacting Our Profession

› Building Materials (i.e. new construction materials, lightweight construction, external cladding systems, & tall timber buildings)
› Energy Storage
› Wildland Urban Interface Fires
› Alternate Detection
› Advances in Suppression System Technology (i.e. SMART Sprinklers, Storage commodities, automated storage and oxygen reduction systems)
› Computer Models
› BIM/BIS
FPE Magazine
Strategic Goal #2 - Advocate

- Ensure **core competencies and key responsibilities are adopted** by key stakeholders.
- Advocate for licensure and credentialing in U.S. to ensure continued adoption.
- **Collaborate with other organizations to promote licensure/credentialing requirements outside of the U.S.**
- Be a resource and partner for undergraduate and graduate programs and career pathways education.
- Increase recognition of SFPE as the source for info on FPE and expand communications to others regarding the value of quality FPE.
SFPE Minimum Core Competencies

» Recommended Minimum Core Competencies for the Practice of Fire Protection Engineering
  › Following resolution of public comments, the document was published in December 2018

» Competency is obtained upon the completion of structured education in specific knowledge and skill areas, and accompanying applied experience
SFPE Minimum Core Competencies (continued)

“A Fire Protection Engineer is an individual who, by formal training and professional experience, carries the necessary competency, and has the skills to provide guidance and direction to protect life, property and environment from threats posed by fire and its related mechanism.”
SFPE Minimum Core Competencies

Tier 1: Learning Skills
- Professionalism
- Integrity
- Adaptability
- Reliability
- Lifelong Learning

Tier 2: General Academics
- Reading
- Writing
- Math
- Science
- Communication
- Computer Skills

Tier 3: Workplace Skills
- Teamwork
- Organizing
- Creative Thinking
- Problem Solving
- Coordination

Tier 4: Technical Knowledge Base
- General Engineering Design
- Professional Ethics
- Economics
- Public Policy

Tier 5: Fire Protection Knowledge Base
- Fire Science
- Human Behavior and Evacuation
- Fire Protection Systems
- Fire Safety Analysis
In EUROPE
Cooperation with other organizations

» CFPA Europe: Confederation of Fire Protection Associations Europe

» IFE - THE INSTITUTION OF FIRE ENGINEERS THE INTERNATIONAL ORGANISATION FOR FIRE PROFESSIONALS

» FEANI  Federation of professional engineers
First Anniversary
Engineers Europe Advisory Group

“The future engineer: wishes and facts”

Wednesday 11 September 2019
Strategic Goal #3 - Educate

• Develop and implement SFPE education for new, continuing and advanced professionals.

• Develop and implement a robust policy for course development and deliver minimizing conflicts of interest and meets needs of global membership.
Global Conferences

» Annual – every year
  › Phoenix, 2019
  › Atlanta, 2020
  › Vancouver, 2021

» Europe – bi-annually (odd years)
  › Malaga Spain, May 2019.
  › Berlin Germany, 2021

» Performance-Based Codes and Fire Safety Design Methods – bi-annually (even years)
  › Auckland, New Zealand, March 2020
Phoenix, Arizona 2019

SAVE THE DATE

SFPE 19
ANNUAL CONFERENCE & EXPO
Phoenix, Arizona

Registration Opens MARCH 2019
# Webinars: Focused in Europe

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<th>Presenter</th>
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<td>Fire Safety in dwellings occupied by elderly people. The Spanish case</td>
<td>9 September 2019</td>
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<td>Lars Bostrom</td>
<td>Facade Fires - Recent Developments in Europe</td>
<td>16 September 2019</td>
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<td>Matteo Pugnalin</td>
<td>“Intelligent Egress in a Historical Building”</td>
<td>7 October 2019</td>
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<td>Felipe Herrera</td>
<td>Structural Performance and Particularities of Multi-Story Intermodal Steel Container Structures at Elevated Temperatures</td>
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<td>Maria Lappano</td>
<td>Crowd Management and Control - Case Study For a Stadium Using Pedestrian Dynamics® Software</td>
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<td>Karl Wallasch</td>
<td>Design and Future Trends of High-Rise Residential Towers – A Comparison between UK and German Regulations</td>
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<tr>
<td>Robert Jonsson</td>
<td>PERFORMANCE BASED DESIGN OF FIRE SAFETY IN HIGH-RISE TIMBER BUILDINGS</td>
<td>9 December 2019</td>
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Educational Programs - Events

» Symposium: Engineering Solutions for Cultural and Heritage Sites.

» May 2020 – ROME

» 4th European Conference. 2021 – BERLIN:

» International PBD Conference. 2022 – PARIS.
Standing Committees – 354 volunteers

- Research, Testing & Methods: 37%
- Outreach & Advocacy: 18%
- Membership & Chapters: 12%
- Professional Development: 12%
- Professional Qualifications: 21%

COA  |  CMC  |  CPD  |  CPQ  |  RTM
Is SFPE interesting for me

› YES- Good **Networking:**
  › Increased number of chapters and members worldwide.

  › Important actor in Europe. Participate in Decisions organisms, European Commission.

› YES – To have access to a **Educational** programs.

› YES – to promote **recognition of our profession**.

› YES – To actively participate in influences **Technical Committees**.

› YES - Access to Technical documents, magazines, etc.
Thank you