



Enhancing the scientific understanding of fire and its interaction with the natural and built environments.

Research Highlights

Recently Completed Projects

- Design Fire & Material Performance Database
- Development of Fire Engineering Practitioner Tools

New & Ongoing Projects

- Water Supply and Climate Change: The Impact of Water Stress on Fire Protection Systems
- Environmental and Health Impacts of Fire and Fire-Suppression Activities During Large-Scale Fire Events
- Risk and Performance Assessment Framework for Sustainable and Fire Resilient Buildings

DHS FEMA Fire Prevention & Safety Grant Funded Projects

- Beyond the Checklist – A Virtual Handbook for WUI Property Fire Risk Assessment and Mitigation (2021-2022)
- Engineering Science for the Fire Service: Developing a WUI Risk Assessment & Mitigation Curriculum (2022-2023)

Recent Student Research Grant Recipients

- Juliette Franqueville, PhD student, University of Texas at Austin (USA)
- Yohannes Shewalul, PhD student, Stellenbosch University (South Africa)
- Rocío Cortez, Masters student, Texas State University (USA)
- Marika du Plessis, MEng/PhD student, Stellenbosch University (South Africa)
- Andrea Franchini, PhD student, University College London (UK)
- Zilong Wang, PhD student, The Hong Kong Polytechnic University (Hong Kong/China)

Next cycle of applications due: **November 1, 2022**

2022 SFPE Foundation Awards

- [Arthur B. Guise Medal](#) – Albert Simeoni, PhD, Worcester Polytechnic Institute (USA)
- [Dr. Guylène Proulx, OC Scholarship](#) – Erik Smedberg, PhD student, Lund University (Sweden)
- [Jack Bono Award for Engineering Communications](#) – Haavard R. Boehmer, Michael S. Klassen, and Stephen M. Olenick, for “Fire Hazard Analysis of Modern Vehicles in Parking Facilities” (2021) *Fire Technology* 57, 2097-2127.
- [Student Scholar Award](#) – Iffah Umairah Zulmajdi, PhD candidate, Universiti Putra Malaysia (Malaysia)
- [Frederick W. Mowrer Global Scholar](#) – Hafizha Mulyasih, ST, MT, Universitas Indonesia (Indonesia)

SFPE Foundation 2022 *Realizing Our Vision*

- Facilitating the development of engineering methods to mitigate the adverse consequences of unwanted fires
- Providing educational and research opportunities for the next generation of fire protection engineers

Communications & Fundraising Updates

New Donor Relations Manager:
Aimee Zube

New Research Project Manager:
Steffen Blings

New Research & Comms Outlets:

- *Monthly SFPE Foundation News Brief launched (sign up on our website)*
- *New “Research Impact” page added to Foundation website*
- *New open access Research in Fire Engineering Webinar Series launched*

Fundraising Success:

- *New DHS/FEMA Fire Prevention and Safety Grant Awarded*
- *New Annual Day of Giving program*
- *New Legacy Society program initiated*
- *New Student Travel Fund launched*