

## CALL FOR PRESENTATIONS

# Workshop on Advancements in Evaluating the Fire Resistance of Structures

December 6-7, 2018  
The Washington Hilton, Washington, DC

*Accepted abstracts to be invited for full paper consideration in a Special Issue of Fire and Materials*

### ABOUT THE EVENT

Presentations are invited for the Workshop on Advancements in Evaluating the Fire Resistance of Structures to be held Thursday December 6<sup>th</sup> and Friday December 7<sup>th</sup>, 2018. This workshop is sponsored by ASTM Committee E05 on Fire Standards and will be held at the Washington Hilton in Washington, DC, in conjunction with the December standards development meetings of the committee.

### OBJECTIVE AND SCOPE

The workshop will celebrate the centennial of the furnace temperature-time curve, which defines the thermal fire exposure conditions in ASTM E119 and other fire resistance test standards. Over the past 100 years, tremendous progress has been made in conducting realistic assessments of the behavior of structural elements and assemblies in post-flashover fires. The workshop will focus on various topics related to methods for evaluating the behavior of structural elements and assemblies in localized, travelling, and post-flashover fires, particularly those described by ASTM Committee E05 in its fire standards.

Suggested presentation topics include, but are not limited to:

- Studies relating to ASTM, ISO or other fire resistance test standards
- Repeatability, reproducibility and uncertainty of fire resistance test results
- Relationship between real fires & performance in standard fire resistance tests
- Computational studies of the behavior of structures in standard or natural fires
- Testing instrumentation, full-scale compartment fire tests and modeling
- Use of test standards and calculation methods in codes and regulations
- Performance based design approaches to structural fire resistance



Students and early career researchers are particularly encouraged to present their work. The ASTM E05 program committee will select the best abstract submitted by a student or early career researcher and will provide a travel stipend to the presenting author. The workshop will be dedicated to Dr. Tibor Harmathy, who passed away April 7, 2017. Dr. Harmathy was one of the founding fathers of contemporary fire safety engineering and a long-time active member of ASTM E05. The workshop will start with an invited keynote lecture by Dr. Jim Mehaffey to highlight Dr. Harmathy's many accomplishments during his distinguished 30-year career at the NRC Canada.

Those interested in presenting should **submit an extended abstract no later than the deadline of June 1, 2018**. Abstracts should be a minimum of 600 words minimum and maximum of 2 pages and should be submitted to Workshop Chairman Dr. John Gales at [jgales@yorku.ca](mailto:jgales@yorku.ca). Chosen abstracts will be invited to submit a full paper version for consideration and peer review in a special Issue of Fire and Materials (A John Wiley Journal).

For more information regarding this symposium and abstract submittal please visit:

<http://www.astm.org/E05WorkshopDec2018>