



A Virtual Case Study on the California Camp Fire

The California Camp Fire ignited Nov. 8, 2018, in the foothills of the Sierra Nevada in Butte County, California. It became the most destructive and deadly fire in California history, with more than 18,000 destroyed structures, 700 damaged structures, and 85 fatalities.

Join the South Carolina Fire Academy as we partner with the National Institute for Standards and Technology (NIST) to host this free, three hour virtual workshop to discuss the data collected and lessons learned.

DATE: Wednesday, July 14, 2021
TIME: 9 a.m. – 12 p.m.
REGISTER: 8691-22-001 <https://fire.llr.sc.gov/Portal/Registration/registration.aspx?csidnt=72242>

ABOUT THE SPEAKER

Alexander Maranghides received a B.S. Mechanical Engineering with Aerospace Concentration and an M.S. in Fire Protection Engineering, from Worcester Polytechnic Institute (Massachusetts). Mr Maranghides has more than 25 years of experience in large scale testing and 20 years in post-fire reconstructions.

Mr. Maranghides worked for seven years at the United States Naval Research Laboratory (NRL), on the Navy's Halon Replacement Program. Between 1995 and 2000, he was the test director for NRL Real Scale Halon Replacement Test Program where he worked on the development of a holistic approach to halon replacement fire protection system design. In that capacity, he analyzed current U.S. Navy Fleet fire suppression system design criteria and firefighting doctrine. He is the co-inventor, with Dr. Ronald Sheinson of NRL, of the Water Spray Cooling System (WSCS), a patented gaseous agent suppression enhancing system used to protect shipboard compartments in navies around the world.



After joining NIST, Mr. Maranghides ran the NIST Large Fire Laboratory for seven years where he was responsible for the design and execution of hundreds of large-scale experiments. In the past 20 years, he has focused his research on the national Wildland Interface (WUI) fire problem and spent years in the field collecting, analyzing, and documenting WUI fires and led all four NIST WUI fire reconstructions. His WUI findings have impacted national and regional standards. He is currently leading a multi-year/ multi-agency effort to quantify fire spread between residential structures.

His technical fields of expertise include halon replacements, fire suppression, large scale fire testing, and the wildland urban interface.

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