

## **Jill Suo-Anttila**

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Jill Suo-Anttila is a member of the technical staff in the Fire Science and Technology department at Sandia National Laboratories in Albuquerque, NM. The foundational component of activity within the Fire Science and Technology department is the fire safety and security needs of nuclear weapons. A logical progression from our central mission is the spectrum of computational and experimental capabilities combined with the problem-solving focus we bring to address fire-related challenges throughout the government defense, civilian, and industrial sectors.

General research areas of interest include fire behavior, heat transfer, soot characterization, smoke detection, and smoke transport. More specifically, Jill is currently participating in the development of a smoke transport code to aid in the certification process of smoke detection systems and she is actively involved in enhancing our understanding of soot formation, transport, and detection by developing diagnostics to analyze soot morphology and extinction properties.