



The University of Texas at San Antonio™

DATE:
Friday,
April 21, 2023

TIME:
1:00pm-2:30pm CST

LOCATION:
BSE 2.102
Zoom: 947 4132 9113



RESEARCH SEMINAR SERIES



NASA MIRO CAMEE

CENTER FOR ADVANCED MEASUREMENTS IN EXTREME ENVIRONMENTS

PRESENTS:

James L Urban, Worcester Polytechnic Institute

Title: *Investigating the ignition of structures from firebrand accumulations in WUI fires*

In many parts of the US and the world, wildfires threaten communities at the wildland-urban interface (WUI). These fires can cause substantial loss of human life, property, and displace people by destroying homes. Structures in these fires can be ignited by firebrands (burning debris carried by the wind), heating from nearby burning objects or a combination of the two. While both fire spread processes are important, firebrand spotting has been found to be one of the major causes of structure ignition, in part because the individual firebrands can accumulate into larger groups which pose a greater threat than single firebrands. In this presentation, background on Wildland Urban Interface (WUI) fires are presented along with ongoing research projects investigating these ignition pathways, and opportunities for engineering disciplines to contribute to wildfire research are discussed.

Zoom link: <https://utsa.zoom.us/j/94741329113>

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