ID: Type: Oral

Source Models

It is a daunting task to frame the fearful symmetry of a blast. Properties and defining characteristics of theoretical source pressure functions representative of detonations and deflagrations are considered, and criteria for defining reference blast pulses are discussed. A new impulse-balanced blast pulse is proposed as a reference signature for propagation model initialization, the design of detection and feature extraction algorithms, yield uncertainty quantification, and transfer function evaluations.

Primary author: GARCES, Milton (Defense Threat Reduction Agency, Nuclear Arms Control Technology Program)

Presenter: GARCES, Milton (Defense Threat Reduction Agency, Nuclear Arms Control Technology Program)

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