

## Depth Resolved Imaging Modalities for Thermal Non-Destructive Testing and Evaluation

### Abstract

This talk highlights the recent developments in non-stationary thermal wave imaging (NSTWI) modalities for non-destructive testing and evaluation of solids by emphasizing pulse compression based favourable approaches. Further the capabilities of the proposed NSTWI techniques have been presented for testing and evaluation of various solid materials such as metals and composites.

Keywords: Pulse compression, Matched Filter, Phase images.