

Dynamic Behavior of Materials in Extreme Conditions

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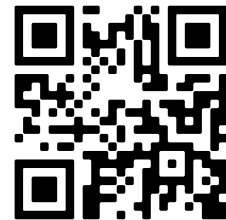
3:30 pm - 4:30 pm

Holmes Hall 243

Meeting ID: 963 5962 3640

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<https://hawaii.zoom.us/j/96359623640>



Abstract

In recent years, the need to explore innovative methods for mitigating air blast waves has become increasingly important, not only for defense but also for a variety of industrial and transportation applications. Events involving explosive forces, such as those caused by accidents in the process industry or impact loading in transportation, can have significant consequences. Effective blast mitigation techniques are essential for enhancing safety and resilience in these fields. This seminar will provide an overview of existing and emerging research on air blast mitigation, highlighting passive and active strategies. In addition to their relevance in naval, aerospace, and industrial settings, the principles of blast and impact mitigation can offer valuable insights into broader engineering challenges, including marine structures and offshore engineering.

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