

Explosive Engineering and Force Protection

Improvised Explosive

- Explosively Formed Projectile
- Improvised Linear Shaped Charge
- Buried Explosive Charges
- Breach Charge Penetration Performance

Armor Design

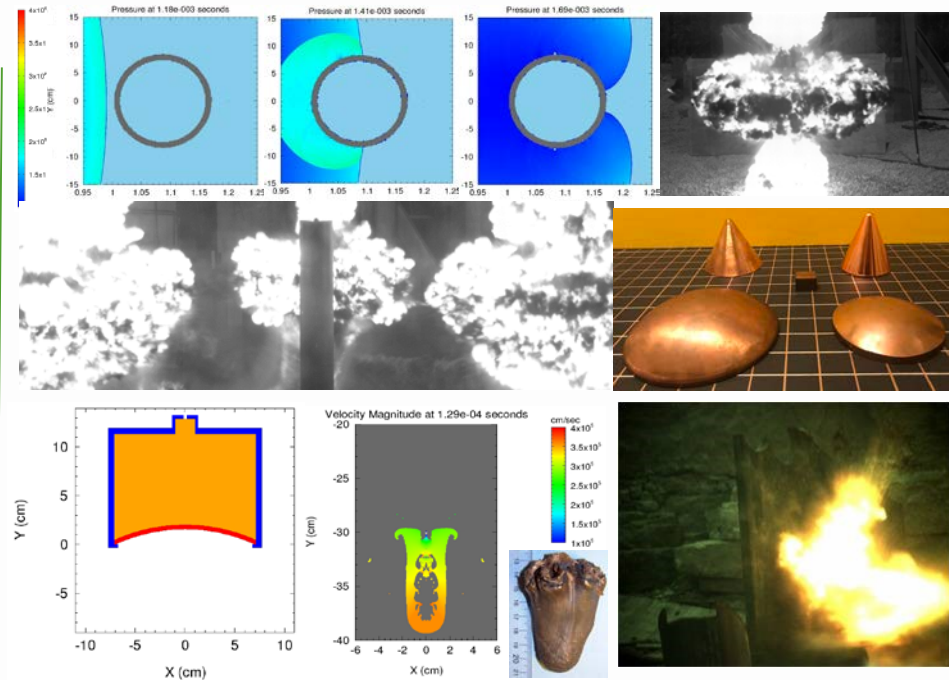
- Vehicle protection from EFPs
- Vehicle protection from Buried IEDs
- Light Weight Ballistic Armor
- Rocket Propelled Grenade (RPG) Armor

Explosively Driven Pipe Collapse

- Modeling Explosive Lensing on a Cylindrical Body in Air

Simulations of Explosive Events

- ANSYS
- CTH
- Velodyne



Imaging and Characterization of Explosive and Energetic Systems



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Keywords

- #Explosives, #ArmorDesign, #ShockPhysics, #HPC, #ForceProtection, #Blasting, #Energetics, #Simulations

Recognitions

- American Physical Society Early Career Travel Award

Scholars' Mine

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