

Poster Sessions:

Analytical and Numerical Methodologies

- 53 - A MULTI-COMPONENT MULTI-REACTION MODEL FOR ALUMINIZED EXPLOSIVES, Shannon Lisenbee
- 126 - A Study of Approximation Error in Eulerian Hydrocodes, Parth Y. Patel

Armor/Anti-Armor and Ballistic Technology

- 3 - Analysis of the distribution of BAD generated during the normal penetration of variable cross-section EFP on RHA, Boyang XING
- 69 - Evaluation of Critical Ricochet Angles for 25mm APDS-T Projectile on Metallic Targets - Modeling and Verification, Alon Weiss
- 94 - Effects of Additional Body on Jet Velocity of Hyper-cumulation, XU Mengwen
- 100 - Study on jet formation and penetration of double layer explosive sub-caliber shaped charge, Yu-ting Wang
- 125 - Effects of Stacking Order on the High-Velocity Impact Response of Bi-Material Soft Armor Systems, Zherui Guo

Fracture and Fragmentation

- 41 - Modelling the Fracture of High-Hardness Armour Steel in Taylor Rod-on-Anvil Experiments, Brodie McDonald
- 51 - Shear band characteristics in high strain rate naval applications, Michael J. P. Conway
- 85 - Modeling Fragmentation within Pagosa Using Particle Methods, David B. Culp

High Velocity Launchers

- 16 - Electrically-Launched mm-sized Hypervelocity Projectiles, W. Casey Uhlig
- 92 - Transitional ballistics of electric high-velocity launchers, B. Reck

High Velocity Penetration and Target Response – Papers 64, 68, 70, 76, 82, 95

- 64 - Impact Resistance Test of Fiber Metal Laminate (FML) and Al 6061-T6 by Using Electromagnetic Launcher and Its Numerical Analysis, Hong-Kyo Kim
- 68 - Comparison of the Hydrodynamic Ram Caused by Single and Two Projectiles Impacting Water-filled Containers, Yangziyi Ji
- 70 - Study on Shaped Charged Jet Initiation of Solid Rocket Motors, Hao CUI
- 76 - Investigation on the impact and penetration performance of the particulated jet into concrete targets, Qi-feng Zhu
- 82 - Effect of size on liquid-filled compartment structure armour resistant to shaped charge jet, Xudong Zu
- 95 - Study on the explosion-proof performance of polyurea-reinforced masonry walls with different spraying methods, Wei Shang

Hypervelocity Phenomenology

- 24 - Simulating Lateral Drift of a Shaped Charge Jet in ALEGRA, Matthew J. Coppinger

Spacecraft Meteoroid and Debris Shielding

18 - Consequences of micrometeoroid/orbital debris penetrations on the International Space Station, Hilary J. Evans

19 - Investigation on Sustained Discharge of Satellite's Power Harness Due to Plasma from Space Debris Impact, Yuki Mando

43 - Numerical modeling of impacts of twisted-pair data cables, Joshua E. Miller

55 - Hypervelocity Impact Performance of 3D Printed Aluminum Panels, Bruce A. Davis

58 - Extravehicular Activity Micrometeoroid and Orbital Debris Risk Assessment Methodology, Kevin D. Hoffman