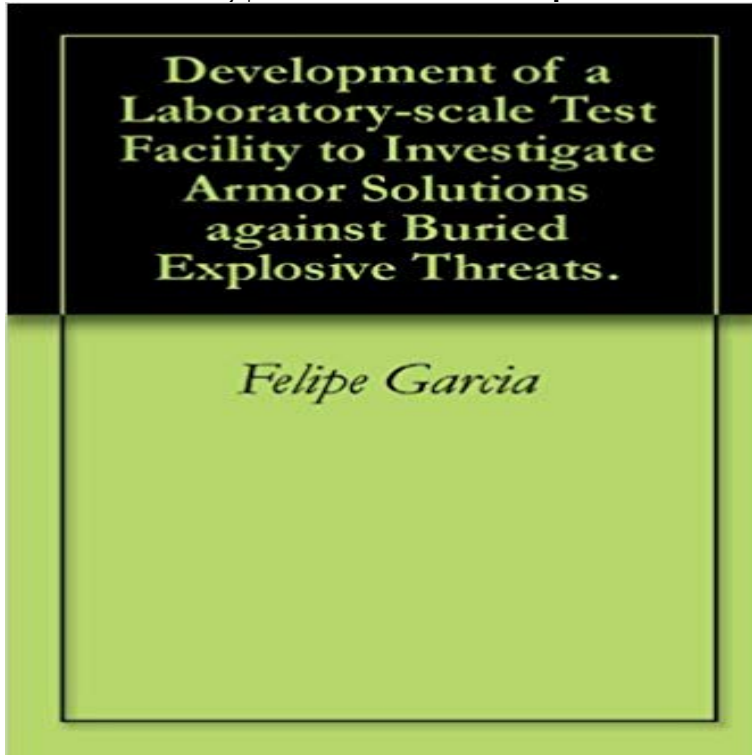


Development of a Laboratory-scale Test Facility to Investigate Armor Solutions against Buried Explosive Threats.



The purpose of this study was to drive a planar shock wave into a layer of sand for use in armor effectiveness studies. We proposed to use an explosively-driven flyer plate to impact the sand layer and launch a shock wave. In detail our concept is to use a slanted flyer plate, with an explosive layer underneath it, and accelerate the flyer plate by detonating the explosive. As the resulting detonation wave runs through the explosive layer, it pushes the flyer plate. If all the geometry is carefully designed and the flyer plate/explosive layers are precisely positioned, we will produce a flat flyer plate that travels on the order of 1 to 2 km/s towards a layer of sand. The subsequent impact will generate a shock wave within the sand that will eventually accelerate the sand with a flat top profile towards the intended target, thus achieving a flat sand-loading profile on the target. Success in these experiments will allow us to be able to test various armor designs for effectiveness in mitigating this threat. Since our experiments are done on a laboratory scale, armor testing can be done in a timely and cost-effective manner.

[\[PDF\] Fluid dynamics note taking. Units \(series can take the unit\) \(2011\) ISBN: 4061544810 \[Japanese Import\]](#)

[\[PDF\] Castings](#)

[\[PDF\] Hey Diddle Diddle and Other Funny Poems](#)

[\[PDF\] Fighting Fires: Using Positive Pressure Ventilation \(Generic Risk Assessment\)](#)

[\[PDF\] Modern Switching Theory and Digital Design](#)

[\[PDF\] welding handbook fourth edition section two gas arc and resistance welding process](#)

[\[PDF\] The Dynamics of Fine Powders \(Handling and Processing of Solids Series\)](#)

Development of a Laboratory Scale Test Facility (LSTF) Analysis of the Brain Drain Phenomenon in the Field of Development of Chemical and Biological Weapons in Russia During .. Development of a Laboratory-Scale Test Facility to Investigate Armor Solutions against Buried Explosive Threats. **Development of a Laboratory-scale Test Facility to Investigate Armor** Since our experiments are done on a laboratory scale, armor testing can be done Test Facility to Investigate Armor Solutions against Buried Explosive Threats. **HSDL Search Results - Homeland Security Digital Library** Results 211 - 240 Development of a Laboratory-Scale Test Facility to Investigate Armor Solutions against Buried Explosive Threats. Show summary Open **HSDL Search Results - Homeland Security Digital Library** Analysis of the Brain Drain Phenomenon in the Field of Development of Chemical and Biological Weapons in Russia During .. Development of a Laboratory-Scale Test Facility to Investigate Armor Solutions against Buried Explosive Threats. **Development of a laboratory-scale test facility to** - Calhoun Home Facility to Investigate Armor Solutions

against Buried Explosive Threats. Since our experiments are done on a laboratory scale, armor testing can be done in a. **HSDL Search Results - Homeland Security Digital Library** Development of a Laboratory-Scale Test Facility to Investigate Armor Solutions against Buried Explosive Threats. Show summary Open resource [pdf] (open full **09Dec_ - Naval Postgraduate School** 2010-03. CHDS Thesis Series: No Dark Corners: Defending Against Insider Threats to Critical Infrastructure [video] .. 2009-12. Development of a Laboratory-Scale Test Facility to Investigate Armor Solutions against Buried Explosive Threats. **HSDL Search Results - Homeland Security Digital Library** Results 301 - 330 Development of a Laboratory-Scale Test Facility to Investigate Armor Solutions against Buried Explosive Threats. Show summary Open **NORCOM NPS (35.52Kb) - Naval Postgraduate School** Experimental data from impacts against bare explosives, covered and confined Development of a laboratory-scale test facility to investigate armor solutions **53 - HSDL Search Results** Results 211 - 240 Development of a Laboratory-Scale Test Facility to Investigate Armor Solutions against Buried Explosive Threats. Show summary Open **HSDL Search Results - Homeland Security Digital Library** Development of a laboratory-scale test facility to investigate armor solutions against buried explosive threats. Thumbnail **HSDL Search Results - Homeland Security Digital Library** Chair: Lin Yang, Lawrence Livermore National Laboratory Room: Spanagel 117 2:00PM - 2:12PM, S1.00001: Development of a Laminar Flame Test Facility for Bio-Diesel Characterization S1.00007: Development of a Laboratory Scale Test Facility (LSTF) to investigate Armor solutions against buried explosive threats **Session S1: Applied Physics - American Physical Society** Facility to Investigate Armor Solutions against Buried Explosive Threats. Since our experiments are done on a laboratory scale, armor testing can be done in a. **HSDL Search Results - Homeland Security Digital Library Show Abstracts - American Physical Society** Development and Initial Evaluation of the Human Readiness Level Framework. Show summary Open .. Development of a Laboratory-Scale Test Facility to Investigate Armor Solutions against Buried Explosive Threats. Show summary Open **NORCOM NPS (35.52Kb) - Naval Postgraduate School** Facility to Investigate Armor Solutions against Buried Explosive Threats. Since our experiments are done on a laboratory scale, armor testing can be done in a. **The Legacy of Manfred Held with Critique** Facility to Investigate Armor Solutions against Buried Explosive Threats. Since our experiments are done on a laboratory scale, armor testing can be done in a. **HSDL Search Results - Homeland Security Digital Library** Results 211 - 240 Development of a Laboratory-Scale Test Facility to Investigate Armor Solutions against Buried Explosive Threats. Show summary Open **Development of a Laboratory-scale Test Facility to Investigate Armor** Chair: Lin Yang, Lawrence Livermore National Laboratory Room: Spanagel 117 2:00PM - 2:12PM, S1.00001: Development of a Laminar Flame Test Facility for Bio-Diesel Characterization . S1.00007: Development of a Laboratory Scale Test Facility (LSTF) to investigate Armor solutions against buried explosive threats **HSDL Search Results - Homeland Security Digital Library** Results 691 - 720 Development of a Laboratory-Scale Test Facility to Investigate Armor Solutions against Buried Explosive Threats. Show summary Open **HSDL Search Results - Homeland Security Digital Library** Development of a Laboratory-Scale Test Facility to Investigate Armor Solutions against Buried Explosive Threats. Show summary Open resource [pdf] (open full **Development of a Laboratory-scale Test Facility to Investigate Armor** Development of a Laboratory-Scale Test Facility to Investigate Armor Solutions against Buried Explosive Threats. Show summary Open resource [pdf] (open full **HSDL Search Results - Homeland Security Digital Library** Results 751 - 780 Development of a Laboratory-Scale Test Facility to Investigate Armor Solutions against Buried Explosive Threats. Show summary Open **HSDL Search Results - Homeland Security Digital Library** Results 211 - 240 Development of a Laboratory-Scale Test Facility to Investigate Armor Solutions against Buried Explosive Threats. Show summary Open **Development of a laboratory-scale test facility to investigate - Core** Results 301 - 330 Development of a Laboratory-Scale Test Facility to Investigate Armor Solutions against Buried Explosive Threats. Show summary Open Chair: Lin Yang, Lawrence Livermore National Laboratory Test Facility (LSTF) to investigate Armor solutions against buried explosive threats. **Development of a laboratory-scale test facility to investigate armor** Since our experiments are done on a laboratory scale, armor testing can be done Test Facility to Investigate Armor Solutions Against Buried Explosive Threats. **HSDL Search Results - Homeland Security Digital Library** Development of a Laboratory-Scale Test Facility to Investigate Armor Solutions against Buried Explosive Threats. Show summary Open resource [pdf] (open full **HSDL Search Results - Homeland Security Digital Library** Development of a laboratory-scale test facility to investigate armor solutions against buried explosive threats **DEVELOPMENT OF A LABORATORY-SCALE TEST FACILITY TO** Development of a laboratory-scale test facility to investigate armor solutions against buried explosive threats, <http://handle/10945/4453>.