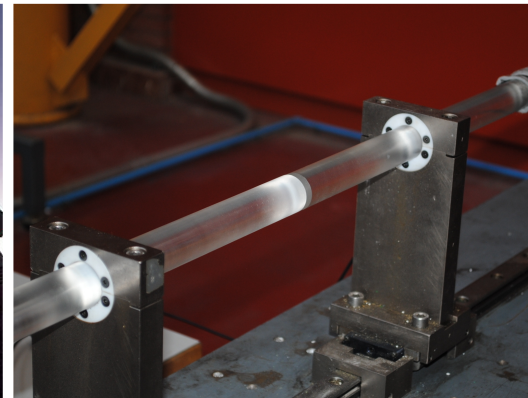


November 26, 2010
Universidad Carlos III de Madrid
Madrid, Spain

LWAG 2010 Madrid Workshop

Failure and damage mechanisms of armour materials

www.lightarmour.org



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LWAG
Light-Weight Armour
for Defence and Security



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LWAG The Light Weight Armour Group for Defence and Security started about 9 years ago as a sub-group of DYMAT. In global terms, the subjects of the LWAG are the study of all modern body and vehicle armour and also the study of armour systems as a whole. There have been large developments in both types of armour in recent years and we hope to understand these changes and improve upon them. LWAG is interested in all armour materials such as ceramics, all plastic materials such as polyamides and woven materials, metal matrix composites (MMC), ceramic matrix composites (CMC), metallic foams and other porous materials. It is hoped that via workshops, LWAG can help improve on the design of armour and armour systems as well as explore the use of computer codes, where applicable. It was decided many years ago that the meetings should be informal workshops where there would be formal papers but also time for discussion. We are confident that this workshop in Madrid will be as successful and interesting as previous LWAG events.

Objectives and topics The purpose of the workshop is to present new developments in the context of security and armour systems. The provisional list of topics is as follows: armour systems and materials, damage mechanisms, defense systems, impact energy dissipation and absorption, blast-wave absorption, ballistic and impact phenomena, failure mechanisms, impact and terminal ballistics, applications and case studies, numerical simulation, modelling and theoretical studies, experimental methods, testing and standardization. It is also a major purpose of the conference to facilitate the communication between specialists interested in fields related to security and armour systems. For a complete and more detailed list of topics please check the LWAG 2010 Madrid Workshop web page.

Local organizing committee

The LWAG 2010 Madrid Workshop is organised by the Dept. of Continuum Mechanics and Structural Analysis of the Universidad Carlos III de Madrid:

José Luis Pérez Castellanos (UC3M, Spain)
Rolando Guzmán López (UC3M, Spain)
Jorge Zahr Viñuela (UC3M, Spain)
Ignacio Irausquín Castro (UC3M, Spain)

Scientific committee

José Luis Pérez Castellanos, Chairman (UC3M, Spain)
Filipe Teixeira-Dias, LWAG President (UA, Portugal)
Ramón Zaera Polo (UC3M, Spain)
Angél Arias Hernández (UC3M, Spain)
Bradley Dodd (Institute of Shock Physics, Imperial College, UK)
Erhardt Lach, LWAG Past-President (Institute Saint-Louis, France)
Hervé Couque, DYMAT President (Nexter, France)
Frederik Coghe (Royal Military Academy, Belgium)
Daniel Rittel (Technion, Israel)

Important dates

Abstract submission	1 Oct, 2010
Acceptance notification	15 Oct, 2010
Final paper submission	12 Nov, 2010

Registration fees Registration fees, with early registration applicable if received before 20 October 2010, are as follows:

Registration	Early	Late
Full	€100	€150
Post-graduate	€50	€120
Under-graduate	€20	€40

Under-graduate registration fee does not include printed materials. All registration fees include a one-year LWAG membership. Institutions paying for five or more full registrations are entitled to a 10% discount.

Proceedings & publications A book of abstracts will be published in printed form and the full proceedings will be delivered in digital form. These will be made available to all registered participants.

Workshop format The LWAG 2010 Madrid Workshop is a one day event during which several lectures will be delivered. If necessary, poster sessions may also be organized. A detailed programme of the event will be posted on the LWAG web page as soon as possible.

Traveling and accommodation Hotel reservations at preferential rates will be arranged by the organisers. Detailed information will be available in due time on the LWAG 2010 Madrid Workshop web page.

Contacts For further information please do not hesitate to contact us:

LWAG 2010 Madrid Workshop
Dpto. de Mecánica de Medios Continuos y Teoría de Estructuras
Avda. de la Universidad, 30.
28911 Leganés (Madrid), Spain
e-mail: percaste@ing.uc3m.es

www.lightarmour.org