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A COVER Workshop presenting CASPER and EPOCH: EU FP7 research into reduction of fatalities and injuries of children in road traffic accidents.

Introduction

The CASPER and EPOCH projects on child safety are organising a joint mid-term workshop to present their research findings on child safety and to discuss future activities. This two day workshop will be held on [29] November and [30] November in Munich (Germany). Although significant achievements have been made in reducing fatalities and injuries in traffic accidents over the last decade, continued efforts are needed to bring the numbers down further. Motivated by this, the CASPER and EPOCH projects will address some aspects of child safety in vehicles.

See <http://www.casper-project.eu/> and <http://www.epochfp7.org/> for more details on both projects.

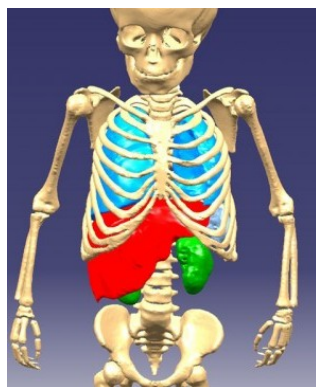
CASPER

The CASPER project is focusing on children up to 12 years of age, considering two main aspects: (1) the improvement of the efficiency of child protection through the development of innovative tools, such as new abdominal sensors, child human models, completed by test procedures in frontal and lateral configurations; (2) the analysis of the reasons and consequences of misuse of child restraint systems and of the influence of the real conditions of transportation of children, as compared to the certification test procedures.

EPOCH



The EPOCH project, on the other hand, aims at the development of Q Dummy that represents older children (between the ages of 6–12 years) in crashes and expand specific existing test procedures with criteria for use with the new Q 10.5. As such the EPOCH project will complete the development of the Q series, started in previous projects of CREST and CHILD.



of CASPER and EPOCH and to receive feedback on future research direction via open discussions.

Topics

Topics that will be presented include real world data analysis, injury mechanisms, biomechanical requirements, Human Body Modeling, Dummy development and modeling, development of test procedures.

COVER

COVER brings together four projects in the field of biomechanics for vehicle safety, namely THORAX, THOMO, CASPER and EPOCH. The first two deal with thoracic inju-

ries, whereas the latter deal with child safety. To maximise the benefits gained from the individual projects, COVER ensures that synergies between the projects are exploited by coordinating the exchange and use of results providing joint dissemination activities between the projects. See also <http://www.biomechanics-coordination.eu/>

Participation

Participation in this event is free of charge. Registrations can be made online at <http://www.biomechanics-coordination.eu/> or <http://www.epochfp7.org/>

Workshop

A workshop is organised under the flag of the COVER Coordination and Support Action. The purpose of this joined Workshop is to inform the public about the progress