Workshop on Forensic Application of FE modelling 14 February 2020 : 10HD0 to 16HD0 At Strasbourg

The understanding of injury mechanisms is an essential aspect in Legal Medicine.

In order to elucidate accidents, assaults or child abuse, an application of advanced methods addressing the mechanical dimension is of high importance and is more and more observed in the literature.

The objective is to introduce the concept of a multi-disciplinary (medical and mechanical) collaboration platform.





Baden-Württemberg

L'Offensive Sciences

Head Neck Finite Element Models used for forensic applications



Thorax and abdomen Finite Element Models used for forensic applications

Lower Legs Finite Element Models

GrandEs

CRIME CAUDO Speakers

terreg





Workshop on Forensic Application of FE modelling 14 February 2020 : 10H00 to 16H00

At Strasbourg

Université de Strasbourg Department of Mechanics 4 rue Boussingault, Strasbourg

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10:00 Welcome

10:15 Case study presentations on biomechanical problems in Legal Medicine

10:45 Structure, principles and analysis options of biomechanical simulation models of the human body, explanation of multi-body and Finite-Element approach

11:45 reconstruction of impacts of the human body

12:30 lunch break

Injury mechanics with examples of simulation models of body regions:

13:15 Head

13:45 Spine

14:15 Thorax

14:45 Discussion on realistic processes of interdisciplinary collaboration for the application of numerical tools in Legal Medicine practice

15:45 Summary

