

# Internship for Master Students (paid)

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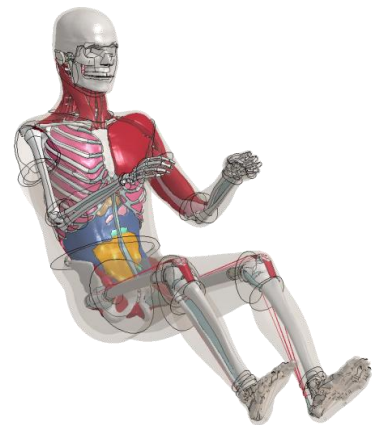
The **pdb – Partnership for Dummy Technology and Biomechanics** – was founded in 2002 as a cooperative venture between German car manufacturers in the competitively neutral field of crash test dummy technology, biomechanics and simulation.

## Description

We are searching for a student to work for 4 to 6 month in the field of Finite Element (FE) simulation. The main focuses of the work will be validation and development of injury risk curves for human body models. The ideal candidate would be a graduate student who has some experience in field of Simulations (preferably LS Dyna) or another Explicit FE Solver (PAM Crash,..). Specific experience in crash analysis and injury biomechanics for occupant protection is preferred. The candidate has ability to write scientific reports and strong communication skills. Working language is English or German. The position is also financially covered by a internship salary.

The student will gain in depth knowledge in FE simulation, Human modeling, biomechanics and crash dummy technology.

**Starting Date: October/November 2014**  
**Duration: 4 to 6 Months**



## Requirements

- Fundamental Knowledge of Finite Element Methods and Analysis
- Experience in Explicit FE Solvers (LS-DYNA / PAM-Crass)
- Knowledge on Meshing (Hypermesh, ANSA)
- Knowledge on Programming (Python) is considered a plus
- Knowledge on Human Models /Biomechanics is considered a plus.
- Knowledge on Crash-Automotive is considered a plus.

If you are interested please submit a motivation letter and CV to:

Jeremie.peres@pdb-org.com