

Seminar series of the Graduate School GRK 2078

Referee: **Dr.- Ing. Eric Bayerschen**
ZF Group / Alfdorf
Team Leader
CAE/Simulation Seatbelt Component (RDSS24)

Date: Tuesday, January 16, 2024

Time: 14:30-15:30h

Location: Building 10.23, 3rd floor, seminar room 308.1
Please note that you can also participate in the event online

Title: **Simulation of Passive Safety Systems at ZF Alfdorf**

Abstract

In the development process of occupant safety restraint systems for vehicles, many challenging requirements are to be considered. These require, for example, the evaluation of strength of components, functionality of the products regarding loading sensitivity or adaption of load limiting to different occupants. At ZF Passive Safety Systems, restraint systems are developed in a hybrid approach utilizing virtual methods, like FE & MBS simulations, as well as prototype hardware tests on system-, component-, and effect-level. A short overview is given on the development process across product lines and selected simulation examples are discussed.

You are cordially invited to take part in the event.

Prof. Dr.-Ing. Thomas Böhlke
(Spokesperson of GRK 2078)