



crashMAT
Freiburg



Prof. Dr. Fabian Duddeck – TU München

Intrusive and non-intrusive Model Order Reduction (MOR) for crashworthiness optimization

Prof. Dr. Fabian Duddeck studied civil engineering at the Technical University of Munich (TUM) finishing with a PhD (1997) and a Habilitation in mechanics (2001). Then, he worked at BMW/Munich until 2005 when he became Reader of Computational Mechanics at Queen Mary University of London (until 2020). In addition, he was Maître de Conférences at École des Ponts ParisTech (2006-2016). Since 2010, he is professor for Computational Mechanics at TUM leading a research group on optimization of structures for aerospace and automotive problems (e.g. crashworthiness). His group is working on nonlinear model order reduction, isogeometric analysis, uncertainty, material modeling, etc.