

SIMULIA—the Dassault Systemes brand dedicated to making...

Realistic
Simulation

an *integral*
business practice

to Explore,
Discover,
Understand,
Improve

product, life, & nature



What is Realistic Simulation?

- “Realistic Simulation” is a simulation that is physically realistic and “life like” in every way



Courtesy Mechanical Design and Analysis Corporation, 2010 SCC

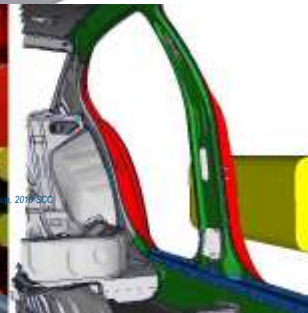
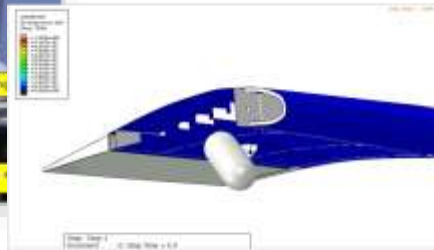
“Predictive Simulation in a Virtual Design Process without Hardware TCrashworthiness esting”, Jurgen Lescheticky, Hariaokto Hooputra and Doris Ruckdeschel, BMW Group, SIMULIA Customer Conference, May 2010



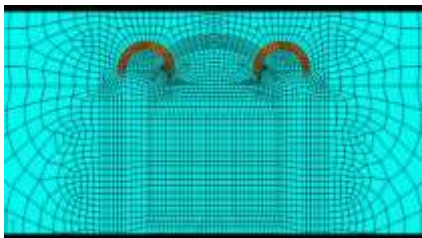
Statistical distribution of impact damage



Courtesy of University of Zagreb, 2010 SCC

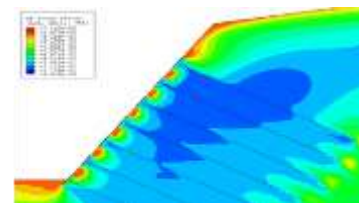
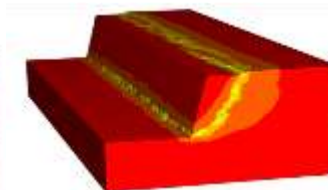
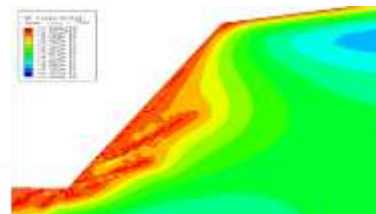


Beijing subway tunnel

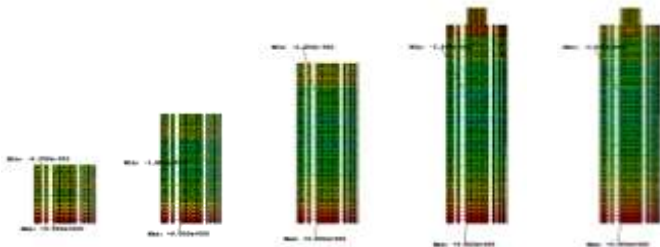


Vehicles moving on bridges

Seismic response of building structures

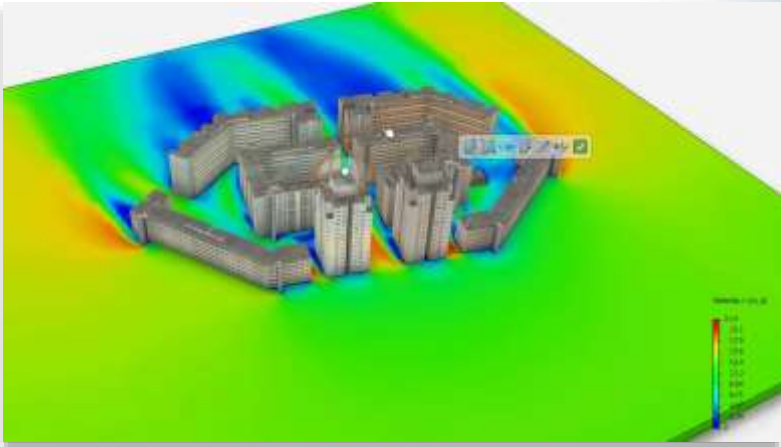
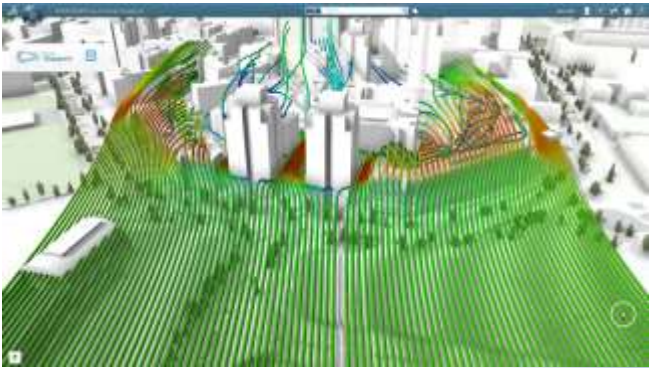


Building construction





Nature



3DEXPERIENCy

