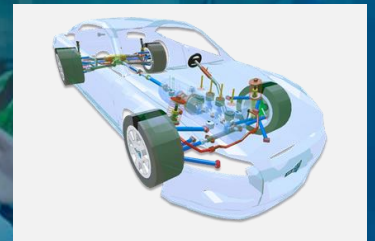


SIMPACK AUTOMOTIVE

SIMULIA COURSE DESCRIPTION



Level: Advanced
Products: Simpack
Disciplines: Motion & Multibody System

Audience
 People who are familiar with Simpack and work in the automotive sector

Why take this course?

This course describes the procedure to set-up road vehicle models and introduces Simpack's Automotive elements (tires, roads, steering controllers, etc.). It also explains the Simpack Wizard module which uses databases (e.g. the Automotive Demo Wizard Database) for efficient and fast set ups of parameterized models and load cases.

What will you learn?

Upon completion of this course you will be able to:

- Have a basic knowledge of the Simpack Automotive Elements
- Build up models with automotive elements
- Build up models from automotive database

Explore Your Learning Options

Live Sessions	Engage in Real-Time, interactive group workshops guided by experts. Learn and collaborate live in your preferred language and time zone.	Join a live session
On-Demand Learning	Access expert-designed courses anytime, anywhere. Perfect for independent learners looking to build skills on their schedule.	Start Learning Now
Private Training	Exclusive, tailor-made sessions designed to meet your team's unique goals with expert guidance.	Contact Us for Custom Training



Gain hands-on experience and master real-world workflows through guided, practical training sessions.

Model and analyze the dynamic behavior of multibody systems for accurate motion and vibration predictions.

– SIMULIA Training Expert Team

What You Need to Know Before Starting

Introduction to Simpack

Agenda for Virtual Live Sessions

Participate in hands-on, real-time workshops where you'll gain practical expertise. Here's what you'll cover:

[Join an Instructor Led Session](#)

Day 1

Lesson 1: Simpack Automotive Elements

Lesson 2: Simpack Communicators

Workshop 1: Simple Car

Workshop 2: Simple Car Sine Obstacle

Workshop 3: Simple Car Longitudinal Dynamics

Workshop 4: Simple Car Lateral Dynamics

Lesson 3: Simpack Automotive Demo Wizard Database

Workshop 5: Simpack Automotive Demo Wizard Database – Substructure Handling

Lesson 4: Simpack Wizard

Workshop 6: Simpack Wizard

Workshop 7: Simpack Automotive Demo Wizard Database – Building up an Axle (optional)

Lesson 5: Wizard Scripting

Workshop 8: Wizard Scripting

Lesson 6: Dynamic Bushings (optional)

Workshop 9: FE42 – Automatic Parameter Fitting (optional)

Want to Learn More?

Expand your knowledge by exploring our [course Catalog](#) and browsing learning paths on [Eduspace](#), our dedicated e-learning platform.

Join the Community!

[Join the SIMULIA community](#) to connect, learn, and stay updated.



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