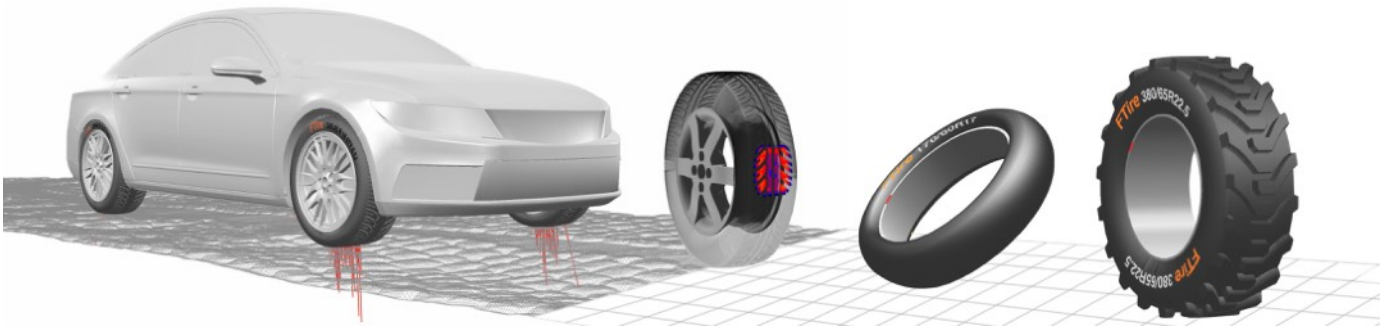


# FTire Classroom

## Teaching Tire Dynamics



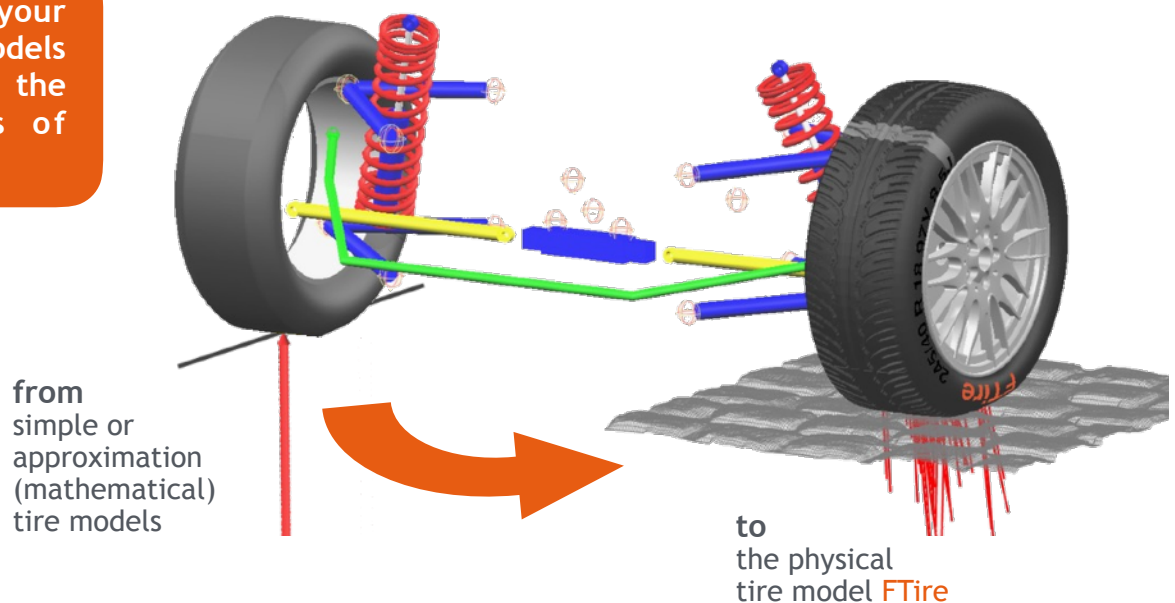
**FTire Classroom** is a fully-functional version of **FTire/core** tailored for teaching purposes. It offers a cost-effective way to introduce students to advanced tire simulation.

**FTire Classroom** is aimed particularly for professors and colleagues in the areas of Automotive and Vehicle Engineering as well as related fields teaching vehicle dynamics with focus on tire dynamics by enhancing these courses through the computational and visualization capabilities of simulation tools.

As an educator, you can use **FTire** to complement and reinforce the engineering principles that you cover in your courses, making those topics more understandable, enjoyable, and relevant for your students.

**FTire Classroom** comes with a predefined tire database and can easily be linked to a wide environment of CAE software tools such as, Adams (MSC Software), MATLAB/Simulink (Mathworks), SIMPACK (Dassault Systèmes), and many more.

Enhance your vehicle models by adding the dynamics of the tire.



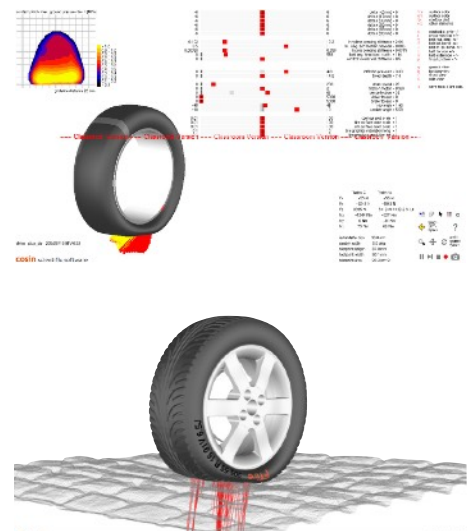
# FTire Classroom

## Benefits at a Glance

- Affordable - schools can obtain for up to 50 licenses on a reasonable budget
- Flexible - 12 month lease licenses with flexible start dates
- Conveniently accessible - run FTire/core in a computer lab and link it to Finite Element Analysis (FEA), Multibody Simulation (MBS) software, and Multi-Physics & System Simulation tools
- Fully-functional simulation - **FTire Classroom** licenses provide the same capabilities as commercial licenses for the tires provided within this bundle

## Application Cases

- Change interactively tire parameters and see the effects of increasing temperature or inflation pressure drop, ...
- Vary slip angle or chamber angle and see online the effects on the ground pressure distribution
- Drive your vehicle model on uneven roads (e.g. cobblestone)



**FTire** is designed for versatile researches and in-depth studies in the area of extended handling, primary and secondary ride comfort simulation, NVH, and prediction of road loads on road irregularities even with extremely short wave-lengths.

## Feature Comparison

	FTire Classroom	FTire Academic
Purpose	for Teaching	for Research
Tire Limits	predefined Tire Database	none
CAE Interfaces	all	all
License User Packages	up to 50 Licenses	1 License for individual use

For more information contact [sales@cosin.eu](mailto:sales@cosin.eu)