

# Trainings

Transfer knowledge

Available trainings

## Overall approach of tire

Designed for technicians and engineers with preliminary knowledge in vehicle dynamics;

5 main subjects:

- General approach of tire
- General approach on the elastomeric
- Tire mechanic description
- Tire thermomechanic description
- Operational use of tire on a qualified ground (adhesion and wear)

## Tire model

Review of the main existing tire models (Brush, CD tire, F-tire, Rmod-k, Swift) and focus on Pacejka model (description, performance, recommendations and limitations)

It includes some concrete exercises made directly on computer by the attendants

## Simulation

General review of the most famous simulators and their application domains

Then, the main simulation techniques are detailed

Finally, attendees use a real simulator (IPG CarMaker®) and launch simulation under teacher supervision

## Tire - suspension system analysis

Review of the main items and techniques to analyse the tire-suspension performance under different items (potential, behaviour, wear...)

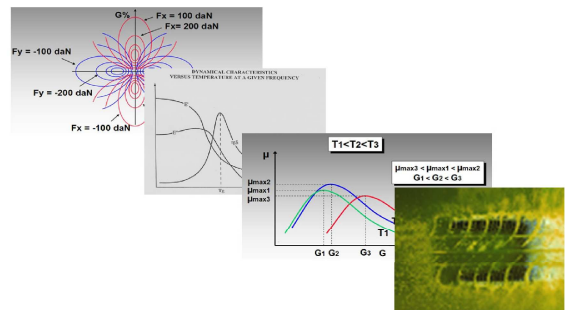
A second part is focused on real tools handling with concrete illustrations made on data coming from track testing

Strengths

- Tire knowledge
- Vehicle dynamics knowledge
- Tire model knowledge

Our customers

- Tire manufacturer
- Car maker
- Automotive Supplier



Both theoretical and practical training

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