FFT offers a variety of tailored training packages that will help you to **build and improve your skills in acoustic modeling**. Whether you want to get started with **Actran** or you need to reach a higher level of expertise, we have a **dedicated training solution** for you.

### Goals

**Discover Actran**
- General courses
- Focus on specific applications

**Increase your modeling skills**
- Refresher course
- Advanced courses

**Improve your simulation process and performance**
- Tech Clinic (on-site)

### Overview

**General courses: 2 ~ 3 days**
- Acoustics simulation
- Vibro-acoustics simulation
- Aero-acoustics simulation

**Focus on specific applications: 2 ~ 4 days**
- Exhaust line and silencer modeling
- Panel modeling and sound transmission loss through structure
- Acoustic loading on structure in aerospace
- Vehicle cabin noise and sound package modeling
- Acoustic radiation from vibrating multi-body system (Actran and Adams integration):
  - engine, gear, gearbox
  - Turbomachinery noise

**Refresher course:**
- Learn the new modeling capabilities available in the last Actran release

**Advanced courses: 1 ~ 4 days**
- Advanced acoustic radiation: meshing optimization, automation, scripting
- Advanced vibro-acoustic simulation: synergy with Nastran, hybrid solver
- Advanced aero-acoustics: fan noise, high speed flow, aero-vibro-acoustics
- High Performance Computing
- Nastran PEM (Poro-Elastic Material in MSC Nastran)

### Locations

**OFF-SITE**
- In Belgium: Mont-Saint-Guibert (close to Brussels)
- In France: Les Ulis (close to Paris), Toulouse
- In Germany: Munich
- In Italy: Turin

**ON-SITE**
- At your own premises

### Contact

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