

Training courses

We offer our clients technical courses in all areas of expertise. The courses are conducted by an international team of technical experts and include theoretical explanations and practical demonstrations in laboratories and proving ground. All courses will be held in English. We also offer tailor-made courses at the client's facilities.



Agenda 2014

Throughout 2014 Applus IDIADA will be offering a range of courses on the following subjects (dates of the courses to be confirmed shortly). In the meantime, if you would like more information, please contact us using the email addresses below:

- Course on vehicle NVH refinement. nvhcourse@idiada.com
- Seminar on vibration in the automotive & transportation industry. vibcourse@idiada.com
- Introduction to electronic stability control. esccourse@idiada.com
- Course on principles of vehicle dynamics and evaluation methods. vdcourse@idiada.com
- Vehicle and system durability, multi-axial simulation testing and proving ground correlation in the transportation industry. durcourse@idiada.com
- Fundamentals of hybrid and electric vehicle powertrain systems integration: from the IC engine to the electrified vehicle. evcourse@idiada.com
- Braking systems development. brakecourse@idiada.com
- Signal processing for automotive engineers. dpcourse@idiada.com

Scheduled IDIADA Technical Courses

- **Course on Signal Processing for Automotive Engineers** (23rd and 24th April 2014)

An interesting experience for those wishing to get a basic knowledge in the field of signal processing and how to apply it to automotive problem analysis.

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Driving training " a la carte"

To provide a comprehensive driving package including practical, technical and theoretical appraisals for the handling evaluation of vehicles.

The driving training at Applus IDIADA is scheduled in three steps:

- Basic level: aimed at drivers with limited testing and driving experience
- Advanced level: aimed at experienced professional drivers
- Expert level: focused on high-performance cars

The courses that Applus IDIADA offers for passenger cars, high-performance cars and commercial vehicles are:

1. Driving training:

- Car control techniques on dry and wet surfaces
- Limit handling for front-wheel drive, rear wheel drive and all wheel drive vehicles
- Braking and cornering techniques
- Trajectory tracing
- Optimizing a lap time

2. Training on subjective evaluation and chassis tuning:

- Steering system and directional stability
- On-centre and off-centre response
- Transient maneuvers (linear range and non-linear range)
- Active safety (stability)
- Cornering performance
- Ride comfort
- The chassis tuning process

3. Training on tyre subjective evaluation:

- Evaluation methods and subjective evaluation techniques aimed at tyre tuning