



## Android App Development Training

### Overview :

This 3 days training is intended for developers who want to learn how to write Android applications and to publish them on the Google Play Store or on their custom Android Embedded board.

In a 70 to 80% lab-time approach, the participants get a real hands-on experience, they learn how to avoid classical pitfalls and how to get up and running quickly. The training first describes the Android architecture, and then covers all major parts of the API and application through theory and exercises.

During the training, all attendees get direct feed-back in an interactive manner, and at the end of the training they are ready to work on their first real Android projects.

For this course, all participants will receive an Android based device so they can continue their projects after the course.

### Knowledge prerequisites :

- Programming experience in Java
- Computer experience with Windows and/or Linux system

### Method :

Course/Workshop, classical educations with practical exercises.

### Course Flow :

#### Day 1:

- Android Overview
- Installing Android SDK and Hello Android
- Android Application Model
- Bigger Helloworld Application
- Android Interface Library, Views, Widgets, relationship, dynamic layouts, events and event listeners

## Day 2:

- Static XML layouts, custom Views, Options and Context Menu's, Adapters, Http, Dialogs and notifications
- Application Data, SQLite Database, manage db connections, Cursors and CursorAdapters
- GPS recording, Google Maps Overlays, Camera and SD Card access, Activities

## Day 3:

- ContentProviders, Services and Intents, Notification Bar,
- BroadcastReceivers, Background thread
- SMS, register sensors, motion detection
- Q&A

## **Courseware :**

Course materials provided, complemented with an Android based device.

## **Course Dates & Location:**

Please contact us for available dates and locations.

## **Price :**

1.700,- € + VAT per attendee (incl. Android based device, courseware and lunches during the 3 days).