

Building Location-Based Services in Android

On-line Workshop

May 5th 2021, 12:30-16:00

The ability to sense the surrounding context makes modern smartphones a very powerful platform. Building efficient and robust mobile sensing applications, however, is rather challenging, as such applications need to ensure that the sensed data is at the same time as accurate as possible, but also acquired with as little battery energy used as possible. In this workshop, we will get introduced to the basic postulates of mobile sensing in Android. We will then focus on one of the most important sensing modalities - location - and through a two-hour hands-on lab learn how to efficiently build location-based services in Android using Kotlin programming language.

Instructors: Prof. Veljko Pejović and dr. David Jelenc, Faculty of Computer and Information Science, University of Ljubljana

The participation is free! All welcome!

Applications are accepted until May 4th, 2021. More information: [Kompetenčni center CLEC \(clec@ijs.si\)](mailto:clec@ijs.si).

[Register now!](#)

Workshop content:

- Smartphone as a sensor
- Challenges of mobile sensing
- Best practices in mobile sensing
- Hands-on experience: building location determination and geofencing apps in Android using Kotlin.

Prerequisites:

- Basic Kotlin or Java programming experience
- A laptop with Android Studio preinstalled

Note: The language of the instructions will be adapted to the audience (English or Slovenian)



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