



## Smart Conference Call

Nowadays, smartphones can do almost everything, and for many people, they are even starting to replace their laptops. However, have you ever tried to use a smartphone to call multiple people on the same device, like with a conference phone?<sup>1</sup> In such conference calls you either can not understand the person on the other side because you are too far away or everyone has to be very close to the device. For this reason, there are still many conference phones in meeting rooms in companies that are better suited for calls with many participants.

However, since nowadays everyone carries a smartphone, would it not be possible to combine them to improve call quality, and render dedicated conference phone hardware unnecessary?

The goal of this project is to implement an app that can be used on multiple smartphones to improve the audio recording and audio playback quality for conference calls.

We have some ideas on how to approach this task, but we would love to hear your take on this as well! If this sounds interesting to you, do not hesitate to contact us so we can have a chat.



**Requirements:** Programming and signal processing experience is an advantage. There will be weekly meetings with your supervisors to discuss progress and open questions.

**Interested? Please contact us for more details!**

### Contacts

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<sup>1</sup>[https://en.wikipedia.org/wiki/Conference\\_call](https://en.wikipedia.org/wiki/Conference_call)