**The specialisation in Pervasive Computing enables you to:**

* Design mobile applications on the Android platform based on a distributed service architecture and providing location-based services.
* Design pervasive computing systems that rely on embedded sensors and communicate with single and multiple users through emerging interactive computer platforms (e.g. wearable, mobile, embedded, tangible) and interaction modalities (e.g. gestures, voice).
* Document the technical and interactive aspects of your pervasive computing system in an academically sound report.

 **Prerequisites**

The are no formal requirements for the specialisation, but students are expected to know basic programming skills in Java and object-oriented programming in general.

If you do not have knowledge within these areas before starting the specialisation, you can choose [Introductory Programming](https://mit.itu.dk/ucs/cb/course.sml?course_id=1921933&mode=search&goto=1494226494.000), [Programming Workshop](https://mit.itu.dk/ucs/cb/course.sml?course_id=1921941&mode=search&goto=1494226494.000) and/or [Object Oriented Programming](https://mit.itu.dk/ucs/cb/course.sml?course_id=1738483&mode=search&goto=1442475394.000) for your elective on the first or second semester.

 **Project supervisors**

The following members of faculty have teaching or research experience that relate to the specialisation. You can contact them if you want to pursue the specialisation's topic area in a project or in your thesis.

* [Philippe Bonnet](https://pure.itu.dk/portal/en/persons/philippe-bonnet%2819e8d8f1-16b3-457d-b02b-89d9ce850c30%29.html) (smart energy systems, sensor infrastructure)
* [Daniel Cermak-Sassenrath](https://pure.itu.dk/portal/en/persons/daniel-cermak%280529c410-c647-4040-a1e5-e315d32237e4%29.html) (play: interaction, participation, engagement, embodiment)
* [Tomas Sokoler](https://pure.itu.dk/portal/en/persons/tomas-sokoler%2803427a20-0319-47aa-b852-0314785ed10f%29.html) (pervasive computing, interaction design)
* [Paolo Tell](https://pure.itu.dk/portal/en/persons/paolo-tell%282b8ff3a4-e9b0-403d-8bd8-1bf26121c234%29.html) (Computer-Supported Cooperative Work, global software engineering)
* [Dan Witzner-Hansen](https://pure.itu.dk/portal/en/persons/dan-witzner-hansen%285ad9c220-e37f-443a-8a31-fc4abf365db5%29.html) (eye-tracking, image processing, sports, machine learning)

 **Specialisation contact person**

[Marco Carbone](https://pure.itu.dk/portal/en/persons/marco-carbone%289027b41a-4159-4db7-9ddd-8fc8f41f1fb3%29.html)

Contact Marco if you want to know more about the specialisation contents or its prerequisites.