

# Movesense Academic Program

Speed up your research project with efficient data collecting tools for measuring motion and physiology

## The Program

Movesense Academic Program equips scientists and researchers with sensor hardware and tools for efficiently measuring and collecting motion and physiology data.

The program is initiated by the Movesense team at the Finnish sports watch expert Suunto and the Movesense development partner Kaasa solution GmbH from Germany.

The aim of the program is to grow Movesense awareness in the academic world and to support promising research projects with tools and solutions for efficient data collecting.

## Introduction to Movesense

[Movesense](#) is an open development platform for fast and cost-effective creation of wearable sensor solutions. It is developed by Suunto, a leading manufacturer of sports watches and dive computers.

Movesense sensor can track motion, heart rate, ECG and temperature. It has an internal memory for logging data and it can run custom applications to process data locally. It is ideal for monitoring health, wellbeing, sports, machinery, animals, and more. Movesense can be used for both recreational and professional purposes.

Movesense sensor is small, lightweight, shock and water resistant, and re-programmable. It is an ideal data collecting tool for research projects. The low unit price of the sensor allows large sample sizes and keeps the equipment budget in control.

Movesense platform includes accessories such as wrist bands and heart rate straps that make it easy to wear the sensor and to place it optimally for the measurement. Plugins and compatibilities with 3<sup>rd</sup> party tools such as cloud services and 3D visualization expand the opportunities further.

## Open Community

There is an open developer community around Movesense. Sample code and ready-made functionalities facilitate programming of the sensor and mobile libraries for iOS and Android enable creating compatible mobile applications.

Movesense Showcase App is available for both iOS and Android with open source code that allows project specific customization of the app.

The Movesense community also includes a network of development partners. The partners are offering their expertise to projects and companies with no in-house software resources.

One of the partners is [Kaasa solution GmbH](#) that has an extensive experience with Movesense in customer projects. Kaasa has developed their own [Data Collector](#) mobile app that helps to record and manage Movesense raw data in projects where data is collected in several locations and with multiple subjects.



Movesense sensor mechanical details:

- Weight < 10g / .35oz
- Water resistant to 30m / 100ft
- Diameter 36,6mm / 1.44 inch

## Key guidelines

- Researchers and teams apply for the program. Movesense selects and invites projects based on applications.
- Movesense supplies the selected research teams with up to 20 Movesense sensors and associated accessories such as heart rate straps. The exact amount of supplied equipment depends on the project scope.
- Kaasa solution GmbH makes its Data Collector mobile application available to the research projects.
- Movesense team and Kaasa will support the project participants with technical questions.
- Researchers agree to mention Movesense in scientific articles and other publications related to the project and refer to [www.movesense.com](http://www.movesense.com) as a source for more information on Movesense when possible.
- Research projects agree to provide the Movesense team with material related to the research project that can be used in news articles on [www.movesense.com](http://www.movesense.com) and shared in Movesense social media.
- Researchers allow Movesense to list their project as part of Movesense Academic Program in Movesense communication.

## How to apply

Interested researchers send an application to the Movesense team via an online form. The application includes a short description of the project, project timeline, and a description of how the Movesense sensors would be used.

Application period starts on November 1<sup>st</sup>, 2019 and is open until further notice. Movesense team reviews the applications on weekly basis and invites up to three projects per quarter to the program.

## Selection criteria

- Innovativeness and usefulness of the research project
- Potential of commercial applications of the project results
- Utility value of Movesense sensors for completing the project
- Potential of the project to build awareness for Movesense
- Additional non-published criteria of Movesense and Kaasa solution teams

## Disclaimer

Movesense team has the right to select applications at its own consideration and is not obliged to explain why a project was selected or not selected to the program.

## Welcome

Movesense team and Kaasa solution warmly welcome academic teams, researchers, students and lecturers to apply for the Movesense Academic Program!

## Further information

Movesense website: [www.movesense.com](http://www.movesense.com)

For developers: [movesense.com/developers](http://movesense.com/developers)

Movesense team email: [info@movesense.com](mailto:info@movesense.com)

Kaasa solution website: <https://kaasa.com>

Suunto website: [www.suunto.com](http://www.suunto.com)

[APPLY HERE](#)

**MOVESENSE**