CAISR

Centre for Applied Intelligent
Systems Research

Health Technology

Developing technologies that support the acquisition and analysis of health-related data for monitoring and decision-support systems.

At CAISR Health Technology, we work with mobile technologies and intelligent environments, focusing on **movement analysis**, **behavior modeling** and **deviation detection techniques**. Our overall **goal** is to extract relevant information about a person's health and well-being using cheap, pervasive and unobtrusive sensors in order to **support more effective care services**, **safe and independent aging**, as well as **healthy and active lifestyles**.

Research Projects:

- Situation Awareness for Ambient Assisted Living (SA3L)
- Human Motion Classification and Characterization (HMC2)

Other Projects:

- Hälsoteknikcentrum Halland (HCH)
- CAISR Intelligent Environment

Upcoming activities:

- 7th International Conference on Bio-Inspired Systems and Signal Processing – Loire Valley, France
- 13th International Symposium on 3D Analysis of Human Movement – Lausanne, Switzerland
- Visits to Middlesex University and Ulster University, UK
- Continued data collections – physical activity and biking
- New project: Mobile health platform for Parkinson's Disease self-management, in collaboration with Dara Labs.
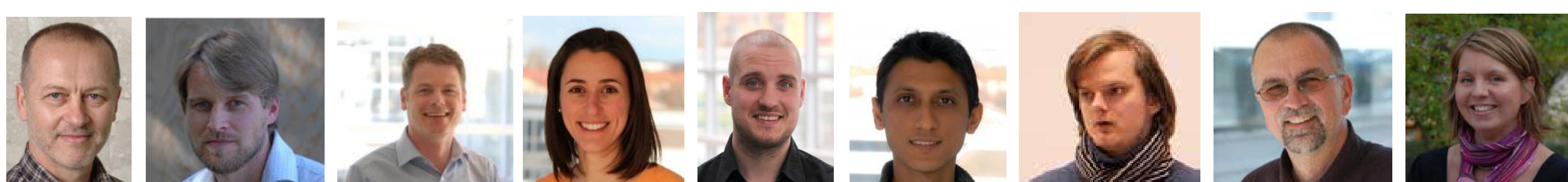
Partners:

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