



Fondation Suisse pour les Téléthèses (FST)

Short description:

The Swiss Foundation for Téléthèses is a nonprofit organization, which supports people with disabilities and provides them devices called “Téléthèses” for fields of improved and alternative communication, ergonomic computer access and environmental control and well-being of disabled persons. Thanks to advanced technologies disabled person can face their daily integrated, independent and equal life with healthy people. The FST is recognized supplier of assistive devices in Switzerland, but it supplies their products also outside of Europe. Their products are deployed at 16.000 users and each year they serve to new 2000 clients. The foundation has been participating to numerous EU and national projects (e.g. visual navigation of a wheelchair, keyboard adaptations, gyrometer enabled mouse, unique IR remote control for multiple devices).

Partnership / cooperation possibilities:

The FST has deep understanding of the disabled person needs and experience in design of ergonomic devices and software design. FST has experience with 3D prototyping and in obtaining the CE mark for electromagnetic compatibility. The IT skills include development of heavy applications (C, C++, c#.net, WPF, Java, Pearl, etc), mobile applications (Android, Windows Phone), web applications (PHP, JavaScript), database experience (SQL Server, MySql, SQL lite) and artificial intelligence, data mining and machine learning (KNIME). The FST has experience in electronic design of PCBs, integration of accelerometers and gyrometers, bluetooth communication, microcontrollers programming. The FST could act as developer of new devices and tools (within the scope of their competencies) or act as an end-user and tester of devices for disabled person. Eventually developed technologies could be used for application in other domains (e.g. IR controller for application in smart homes/domotics or sensor integration and data control for medical devices).

Possible H2020 calls (2017):

- SC1-PM-07-2017: Promoting mental health and well-being in the young
- NMBP 13-2017: Cross-cutting KETs for diagnostics at the point-of-care
- SC1-PM-15-2017: Personalised coaching for well-being and care of people as they age
- ICT-05-2017: Customised and low energy computing
- ICT31 – 2017: Micro- and nanoelectronics technologies
- ICT-23-2017: Interfaces for accessibility

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