



Vienna Summer School for Assistive Technology

More info at
www.asterics-academy.net



Welcome to the AsTeRICS Academy – Assistive Technology Summer School!

Get to know Assistive Technology

The Assistive Technology Summer School offers international students a balanced and extensive project week to acquire and deepen practical knowledge in various topics of modern Assistive Technology. It is organised by the AsTeRICS Academy project of the University of Applied Sciences Technikum Wien and funded by the City of Vienna. Internationally acknowledged experts in the field of inclusive design and Assistive Technology will give lectures and hands-on tutorials. The thematic focusses of the Summer School are embedded in cultural activities and events of a varied accompanying program.

Hands-on!

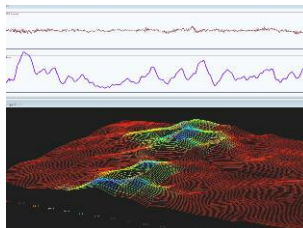
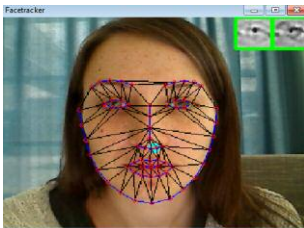
Practical work is one key aspect of the Assistive Technology Summer School: Participants will form small project groups and develop applications ranging from alternative Human-Computer Interfaces to environmental control systems and specialised solutions for individual needs. In guided hands-on sessions you will work with bio signals (EMG; EEG; ECG, ...), sensors, microcontrollers, head and eye tracking. The necessary hardware and software components for building these assistive applications are provided by the AsTeRICS Academy.

CONTACT:

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VENUE:

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Facts and Figures

Date

July 11, 2015 – July 21, 2015

Application Deadline

Please apply online at www.asterics-academy.net by April 30, 2015

Qualification & Scientific Discipline

Graduate and undergraduate students enrolled in an international or national University. The Summer School is designed for (but not limited to) students in the field of medical technology, biomedical engineering, embedded systems, rehabilitation engineering or electrical engineering and computer sciences interested in Assistive Technology. The Summer School lectures will be held in English.

Certificate

All participating students receive a transcript of records after graduating from the Summer School. The University of Applied Sciences Technikum Wien grants 3 credits according to the European Credit Transfer System (ECTS). We recommend checking with the home institution before applying to be sure that the credits are transferable.

Fees & Accommodation

Thanks to the funding of the City of Vienna you can attend the Assistive Technology Summer School FREE OF CHARGE! Included are workshops, lecturers, welcome, farewell, and cultural events. Travel costs, public transport, accommodation, meals, personal expenses and other incidentals are not included. It is recommended to take out an international travel insurance. Reasonably priced accommodation in Vienna, near the University, will be organised.



July 11, 2015	Arrival Welcome Evening
July 12, 2015	Vienna City Walk
July 13, 2015	Introduction to the topic Social background and demographic situation, different types of disability and assistive technologies, barrier-free constructions, Design-For-All
July 14, 2015	AT and AAL: Selected examples Web-Accessibility, Augmentative and Alternative communication (AAC), bio signals, Brain-Computer-Interfaces (BCI), computer vision
July 15–17, 2015	Model based Assistive Technology Introduction of the AsTeRICS system: sensors & actuators, Embedded Systems and creation of plugins in JAVA Practical work in project groups with the AsTeRICS system
July 18–19, 2015	Social and cultural events (optional)
July 20, 2015	Further practical work in project groups
July 21, 2015	Final presentation of projects Closing Event
Concrete dates will be announced	Vienna Sightseeing (Belvedere, Schönbrunn Palace,...) Visit at a local wine tavern (Heurigen) Swimming on the Danube Island

We reserve the right to make changes without prior notice

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