WIEN ÖSTERREICH

VIENNA SUMMER SCHOOL FOR ASSISTIVE TECHNOLOGY

JULY 11, 2016 - JULY 20, 2016

FH TECHNIKUM WIEN
University of Applied Sciences

The Best. Since 1994.

Welcome to the AsTeRICS Academy – Assistive Technology Summer School!

GET TO KNOW ASSISTIVE TECHNOLOGY

„I have worked with and alongside assistive technologies for some years now, both on the medical and the technical side. This summer school gave me the chance to broaden my horizons on various different types of Assistive Technology that I was less familiar with, while meeting some great people and having loads of fun! I would hugely recommend the experience to anybody that likes to learn new stuff and have a great time!"

Giulia Barbareschi, PhD Student, University College London, UK

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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Facts and Figures

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, electrical engineering or 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.
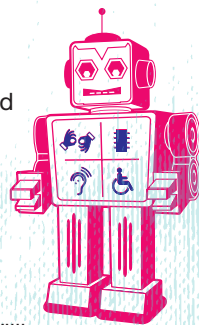
FEES & ACCOMMODATION

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 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 recommended.

Program 2016

July 11 **Arrival and Welcome**
Introduction to the topic, Assistive Technology solutions overview
Vienna City Walk

July 12 **Web-Accessibility:**
Presentation by Abou Shadi Zhara (W3C) Model based
Assistive Technology:
Introduction of the AsTeRICS system

July 13 **Practical work with Microcontrollers (Arduino)
and Biosignals (EMG)**

July 14 **DIY Assistive solutions in minutes:**
Presentations and practical workshop with Therese Willkomm

July 15 **Augmentative and Alternative Communication (AAC)
and the iPad:**
Presentation and Hands-On Demos with Nina Fröhlich
Selection of Project topics

July 16-17 **Social and cultural events (optional)**

July 18-19 **Practical work in project groups with the AsTeRICS system**

July 20 **Final presentation of projects**
Closing Event

Concrete dates will be announced

Vienna Sightseeing
(Belvedere, Schönbrunn Palace,...)
Visit a local wine tavern (Heurigen)
Swimming on the Danube Island

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