

Curriculum Vitae  
**DI Christoph Veigl**

UAS Technikum Wien, Department of Embedded Systems  
Höchstädtplatz 6, A-1120 Wien, Austria;  
email: [veigl@technikum-wien.at](mailto:veigl@technikum-wien.at)

Date of birth: 31-05-1974  
Nationality: Austria  
Lives and works in Vienna (Austria)



### **Education and work**

1988-1992: College for Information Technology and Business Administration Linz-Leonding, graduated with distinction

1993-1999: Bachelor studies in Computer Science (Technical University Vienna) and Sociology (University of Vienna)

1999-2003: Freelancing jobs at different companies and in the industry as System Administrator (Galerie10, Wien) and HW/SW-Developer (mindfield.de and others)

2003-2006: Master Study in Medical Informatics (Technical University & Medical University Vienna), graduated with distinction

2007-2010: Junior researcher in the "Competence team for design and verification of dependable systems", UAS Technikum Wien. Focus: clock synchronization and debugging in distributed systems

2010-2013: Technical manager of the EU FP-7 research project "AsTeRICS – Assistive Technology Rapid Integration & Construction Set"; 9 partner institutions, funding volume ca. 3,3M€

2013-2016: Project lead "AsTeRICS-Academy for Cross-cultural education in Assistive Technology" (funded by the City of Vienna, MA23, volume ca. 400k€)

2014-2016: Unit lead of UAS Technikum Wien contribution to the EU FP-7 IP project "Prosperity4All" - auto-personalisation infrastructure; 24 partner institutions

since 2016: Project lead "ToRaDes – Toolbox for rapid development of Smart Homes and Assistive Technology" (funded by the City of Vienna, MA23, volume ca. 500k€)

since 2007: Lecturer at the University of Applied Sciences, Technikum Wien. Main areas of teaching: embedded systems HW and SW, operating systems, assistive technology and applications;

since 2016: Deputy program director of study program "Bachelor Smart Homes and Assistive Technology"

### **Short biography:**

DI Christoph Veigl joined the UAS Technikum Wien Department of Embedded Systems in Sept. 2007, where he established the Assistive Technology and Smart Home branch – starting with the “AsTeRICS” EU (FP7) project, where he was responsible for the technical management. He acquired and led several follow-up research and development projects in the sectors of AT and AAL.

Christoph Veigl presented and applied Assistive Technology solutions in various locations around the world, including Nepal, Bhutan, Zimbabwe, Brazil, Bolivia and the US. His expertise includes management of international projects in the ICT sector, software engineering and firmware development for embedded systems, system architecture and embedded systems design, as well as implementation of hardware/software solutions and interfaces using various technologies. During the past 7 years, Christoph Veigl authored several scientific publications, contributed to journal articles and presented his work at various international conferences.

In his teaching activity, Christoph Veigl designs and holds courses for microcontroller programming, operating systems, accessibility and selected Assistive Technology-related topics.

Besides his activities in R&D and teaching, Christoph Veigl creates interactive artwork with a focus on biofeedback-based sculptures and installations. He co-founded the Syntharturalistic Art Association (shifz) and exhibited works at different festivals and galleries across Europe and the U.S.

### **Scientific Publications (selection):**

JTPD2018: Christoph Veigl, Klaus Miesenberger: "A toolkit for user-centered design of assistive technology solutions", *Journal on Technology & Persons with Disabilities*, Volume 6 (2018), pp. 43-61.

HCI2017: Christoph Veigl, Martin Deinhofer: Personalized Access for People with Severely Reduced Motor Skills - AsTeRICS, FLipMouse and the 2-Level Personalization Concept; 19th International Conference on Human-Computer Interaction, July 21th-14th, Vancouver, Canada

DSAI2016: Benjamin Aigner, Veronika David, Martin Deinhofer, Christoph Veigl: FLipMouse - a Flexible Alternative Input Solution for People with Severe Motor Restrictions, 7th International Conference on Software Development and Technologies for Enhancing Accessibility and Fighting Info-exclusion, December 1-3, 2016 - UTAD, Vila Real, Portugal

ICT-ACT2015: Christoph Veigl, Veronika David, Martin Deinhofer, Benjamin Aigner: Online offset correction of remote eye tracking data: A novel approach for accurate gaze-based mouse cursor control, 7th ICT Innovation Conference, October 4-7, 2015, Ohrid (Macedonia) (best paper award)

ITHET 2014: Christoph Veigl DI; Benjamin Aigner, MSc.; Veronika David, MSc.; Martin Deinhofer: "The AsTeRICS Academy for Cross-Cultural Education in Assistive Technologies Strategies for diversity in electrical engineering and information technology", 13th Conference on Information Technology Based Higher Education and Training, September 11-13, 2014, York (England)

BRC2013: C. Veigl, C. Weiß, D. Ibanez, A. Soria-Frisch, A. Carbone: Model-based Design of Novel Human-Computer Interfaces, The Assistive Technology Rapid Integration and Construction Set (AsTeRICS), 4th IEEE Biosignals and Biorobotics Conference (ISSNIP 2013), Rio de Janeiro (Brasil), 18-20 February 2013.

### **Invited talks and workshops:**

2017: Invited Talk at UK Kongress Dortmund : "AsTeRICS und FlipMouse: Flexible Eingabesysteme und kostengünstige Lösungen für Kommunikation und Umgebungssteuerung für Menschen mit Behinderung", Dortmunder Westfalenhalle, Deutschland, Nov. 17-18, 2017.

2015: Keynote speech at the conference "IKT-Forum for Accessibility" in Linz / Austria; Topic "Application of Affordable Assistive Technology Solutions in Different Cultures"

2013: 3-Days Workshop: Construction of an Interactive Music Automaton "The Dirty Harmonica", Man | Machine Festival, Center of Contemporary Arts Laznia (Gdansk, Poland)

2012: Invited Lecture "Robotics in Arts and Fiction" + 1-day workshop: "sensors and actuators for interactive art installations", New Media Art School Kiev (Ukraine)

2007- 2011: Exhibitions and talks at international festivals and art spaces including Tacheles Berlin, Heremitage Contemporary Outlet St. Petersburg, Maker Fair San Mateo and Kink Palace San Francisco

2006: 6-weekend workshop: Construction of a Cocktail Robot – "The White Russian Hippie" – together with 4 workshop attendees; Museumsquartier Wien; Atelier Schottenfeldgasse

2005: Invited Lecture "The Turing Test and concepts of AI", Cuisine Digitale, Museumsquartier Wien

2004: Invited Lecture "Biofeedback and the Arts", Institute for Interface Culture, Kunstuniversität Linz

### **Awards:**

ZeroProject Innovative Practice Award 2016 (Essl Foundation) - with AsTeRICS Academy project/team

Hackaday Price 2016 finalist – for the FlipMouse construction set (with Benjamin Aigner)

WinTec 2016 – „Wissenschaftspreis Inklusion durch Technik“ (Bundessozialministerium Österreich)

Best Paper Award, ICT-Innovations Conference 2015, Mazedonia

### **Other activities:**

Since 2017: Chairman of the Asterics-Foundation for Open Source Assistive Technology  
see: <http://www.asterics-foundation.org>

2015: Founder of the ProjectKitchen Makerspace at the UAS Technikum Wien  
see: <http://projectkitchen.at>

Since 1999: Co-Founder and member of the program committee Roboexotica – Festival for Cocktail Robotics, see: <http://www.robexotica.org>

Co-founder of the Syntharturalistic Art Association (shifz, since 1997)