

Dr Krisztián Hofstädter

Researcher with technical, **a r t i s t i c** and teaching skills

Abbreviations:

ARU: Anglia Ruskin University
CMT: Creative Music Technology
EAD: Enhancing Audio Description
MPA: Music and Performing Arts
PHAIS: School of Philosophical, Historical and Interdisciplinary Studies
UoY: University of York

EDUCATION

2022 **PhD** in Music, Cambridge School of Creative Industries, ARU
2013 **MA** in CMT for Media, MPA Department, ARU
2012 **CELTA** (Certificate of Teaching English to Speakers of Other Languages), Cambridge Assessment
2012 **PTLLS** (Preparing to Teach in the Lifelong Learning Sector), Cambridge Assessment
2009 **BA** in CMT, MPA Department, ARU
2004 **College Diploma** in Cultural Organising from Eötvös József Pedagogical Faculty, Baja, Hungary

WORK EXPERIENCE

Research Assistant

11/2021—ongoing EAD, School of Arts, UoY (postdoc)
01/2018—04/2019 EAD, Theatre, Film, Television and Interactive Media, UoY
10/2017—10/2019 StoryLab Research Institute, ARU
04/2016—10/2017 EAD, Cultures of the Digital Economy (CoDE), ARU

My key responsibilities for the AHRC-funded EAD project include conducting literature reviews, leading workshops, organising events, engaging with organisations and participants, conducting qualitative and quantitative data analysis, web design and maintenance, photography, audio-visual production, and co-authoring journal articles. The project documentation is available at <http://enhancingaudiodescription.com>. At the StoryLab Research Institute, in addition to my primary responsibilities as the webmaster of <http://storylabresearch.com> which included design and maintenance, I was also responsible for event planning, social media engagement, data analysis, content editing, photography, and audio-video post-production. See academic outputs [below](#).

Associate Lecturer

11/2021—06/2024 Navigating the Digital World, School of PHAIS, University of Essex
01/2019—06/2019 Sonic Art, ARU
09/2016—01/2019 Music for the Moving Image, ARU
09/2014—06/2015 Laptop Performance, ARU
09/2011—01/2019 Sensor Technology, ARU
09/2014—06/2015 Audio Programming, University of Bedfordshire

Between 2011 and 2019, I taught music technology-related subjects as an associate lecturer at ARU and the University of Bedfordshire. In the Sonic Art module, my class discussed the theoretical and practical aspects of sonic art and created works based on these concepts. The Music for the Moving Image module enabled students to compose original music and sound design for poetry, short films, and video games using acoustic and computer-based methods of composition.

In the Laptop Performance module, students honed their understanding of digital audio and traditional music theory by composing and performing their own musical works with laptop computers as their primary musical instruments. The Sensor Technology unit focused on technological aspects that facilitate live performance and audio manipulation. This module guided students in the creation of musical installations and instruments and provided performance opportunities with these creations. The Audio Programming module introduced SuperCollider, a platform for audio synthesis and algorithmic composition used by musicians, artists and researchers working with sound. In 2021, I began teaching a module on digital identities, critical thinking, and multimedia content production at the University of Essex's Interdisciplinary Studies Centre, part of the university's School of Philosophy and Arts History department. During my time as a lecturer at the ARU, I served as a dissertation advisor on multiple occasions, organised research lectures, and helped shape the new Electronic Music pathway in the Cambridge School of Creative Industries.

PhD Advisor

11/2023—ongoing Xizi (Sylvia) Zeng, School of Arts, UoY. Interdisciplinary research on film, emotional recognition and biosignals.

Reviewer

04/2023 National Science Centre, Kraków. Grant application reviewer.

02/2023 University of Salford. External examiner of Christopher Corradine's MSc thesis.

01/2023 Frontiers in Human Neuroscience, section Sensory Neuroscience. Peer-review of "Case Report: Binaural Beats Music Assessment Experiment". Editor: Thiago P. Fernandes.

01/2021 Peer review for British Journal of Visual Impairment.

Academic Consultant

04/2021 For the Regions of Learning project, my responsibilities included investigating the latest hardware and software technologies capable of accurately tracking attendance for young adults participating in educational activities across diverse locations within the Cambridge City Council's project. More info [here](#).

Self-employed

2012—ongoing Tedör Tea: Art and Tea (sole trader)

2012—2015 Tedör's Vegan Food (sole trader)

2011—ongoing Tedör TEA: Technology, Education & Art (creative technologist)

Since 2011, I've worked as a freelance creative technologist, producing composition and sound design for short films, games, theatre plays, and various audio-video projects, as well as designing and maintaining websites. I also facilitated audio-video and music workshops, for instance, for Funky Flamingo, a Cambridge-based organization supporting people with disabilities, and more recently, web design workshops for the Department of Language and Linguistics at the University of Essex. In 2012 I set up Tedör Tea (Art & Tea) as an independent tea company in Cambridge. I import health-giving Chinese teas and combine it with a variety of artworks produced by local artists. Between 2012–2015, I worked as a vegan chef using locally produced ingredients from Mayfield Organics.

Event Organizer

03/2015—04/2016 Music Technical Officer, MPA Department, ARU

05/2011—01/2014 Assistant Manager at CB1 Internet Cafe

Besides my research and teaching activities at ARU, I also worked as a Music Technical Officer between March 2015 to April 2016, where my primary responsibilities included maintaining music, computer, and audio resources, providing efficient and flexible technical support to students and staff, and organising academic conferences and events. Besides my managerial duties at CB1 Internet Cafe, I organized regular art programs, including exhibitions and music events as well as hosted events linked to veganism and sustainability.

ACADEMIC OUTPUTS

Publications

- Hofstädter, K., 2022. Journeys around the secret place. In *Musical Psychedelia* (pp. 171-191). Routledge.
- Hofstädter, K., 2022. *Developing brain-computer music interfaces for meditation* (Doctoral dissertation, Anglia Ruskin University).
- López, M., Kearney, G. and Hofstädter, K. 2021. Enhancing Audio Description: Inclusive Cinematic Experiences Through Sound Design in *Journal of Audiovisual Translation*. DOI: 10.1177/0264619620935935
- López, M., Kearney, G. and Hofstädter, K. 2020. Seeing films through sound: Sound design, spatial audio, and accessibility for visually impaired audiences, *British Journal of Visual Impairment*, DOI: 10.1177/0264619620935935
- López, M., Kearney, G. and Hofstädter, K. & Balla, G. 2020. Enhancing audio description: accessible filmmaking, sound design and the importance of educating filmmakers. *Media Practice and Education*, 21:4, 289-304, DOI: 10.1080/25741136.2020.1832830
- López, M., Kearney, G. and Hofstädter, K. 2018. Audio Description in the UK: What works, what doesn't, and understanding the need for personalising access. *British Journal of Visual Impairment*, 36(3), pp. 274–291. DOI: 10.1177/0264619618794750

Presentations, Demonstrations and Performances

- Hofstädter, K. 2019. NeuroMeditation with music (presentation and live performance with BCMI-2). In: *2019 Cambridge Festival of Ideas*. 14-27 October 2019, Cambridge. <https://youtu.be/SdrYMDM7-Mg>.
- Ryan, D. et al. 2019. *Aphorisms* (live sound design and engineering). 13 June 2019, Recital Hall, ARU, Cambridge. <https://bcmi.khofstadter.com/aphorisms>.
- Hofstädter, K. 2019. Demonstration of Brain-Computer Music Interfacing Soundscape with Generative Rhythmic Entrainment. In: *2019 Audio Engineering Society International Conference on Immersive and Interactive Audio*. 27-29 March 2019, University of York, York. <https://bcmi.khofstadter.com/aes-york-conference-demo-2019>.
- Hofstädter, K. 2018. Brain-Computer Music Interfacing for Meditation (presentation). In: *2018 Festival of Ideas, The Archive and the Contested Landscape*. 15-28 October 2019, ARU, Cambridge. <https://bcmi.khofstadter.com/festival-of-ideas-2018-talk>.
- Hofstädter, K. 2018. Brain-Computer Music Interfacing for Meditation (presentation). 18 April 2018, University of Qujing, Yunnan, China. <https://bcmi.khofstadter.com/qujing-university-talk>.
- Hofstädter, K. 2018. A Brain-Computer Music Software Interface (BCMI) for Mindfulness (presentation). In: *StoryLab Symposium*. March 14 2018, ARU, Cambridge. <https://bcmi.khofstadter.com/storylab-symposium-talk>.
- Hofstädter, K. 2018. Software Interface (BCMI) for Mindfulness (presentation) at Multilingual Conference, University of Essex, Colchester. <https://bcmi.khofstadter.com/multilingual-conference-demo/>
- Hofstädter, K., 2017. Introducing BCMI-1 for meditation and artistic performance (demonstration with on-line EEG). *Clip Sound Workshops*. 16 January 2017, Firstsite Art Gallery, Colchester. <https://bcmi.khofstadter.com/firstsite-clip-sound-demo>.
- Hofstädter, K., 2016. Brain-computer music interfacing software development (demonstration of BCMI-1 prototype with real-time EEG). In: *Musedelica Symposium. A Symposium for Researchers in the Field of Psychedelic Music and Related Areas*. 14-15 June 2016, The Sussex Humanities Lab, University of Sussex, Brighton. <https://bcmi.khofstadter.com/musedelica-symposium-demo>.
- Hofstädter, K., 2016. Compulsive music waves (screening and audio-video installation). In: *2016 Pint of Science Festival*. 22-26 April 2016, St Barnabas Church, Cambridge. <https://bcmi.khofstadter.com/pint-of-science-installation>.
- Hofstädter, K., 2016. Brain-computer music interfacing for stress management (poster presentation). In: *10th Annual Anglia Ruskin University Research Conference*. 6 June 2016, Chelmsford. <https://bcmi.khofstadter.com/ARU-research-conference-poster>.
- Hofstädter, K. 2011. Strophic Variables (installation). In: *FUTURE FLUXUS event (part of the 2011 Visualise Cambridge series)*. 17 January 2011, Recital Hall, ARU, Cambridge. <https://krishofstadter.com/strophic-variables>.

- Hofstädter, K., 2009. Brain-computer music interface with the IBVA machine (installation). In: *HCI2009, Open House Festival of Interactive Technology*. 1-5 September 2009, Microsoft Research Centre, Cambridge.
<https://bcmi.khofstadter.com/HCI2009>.

Funding

- Departmental Research Group Funding for PhD, 2016–18: £1,500
- PhD scholarship (tuition fee waiver), 2015-2018: £11,400
- The Finzi Trust (Genelec speakers), 2010: £440