

# PUBLICATION LIST

*DR. DES. DAVID HAMMERSCHMIDT*

## PEER-REVIEWED ARTICLES

### **2022**

Hammerschmidt, D., & Wöllner, C. (2022). Spontaneous motor tempo over the course of a week: The role of the time of the day, chronotype, and arousal. *Psychological Research*.  
<https://doi.org/10.1007/s00426-022-01646-2>

### **2021**

Hammerschmidt, D., Frieler, K., & Wöllner, C. (2021). Spontaneous motor tempo: Investigating psychological, chronobiological, and demographic factors in a large-scale online tapping experiment. *Frontiers in Psychology*, 12, 677201.  
<https://doi.org/10.3389/fpsyg.2021.677201>

Wöllner, C., & Hammerschmidt, D. (2021). Tapping to hip-hop: Effects of cognitive load, arousal, and musical meter on time experiences. *Attention, Perception & Psychophysics*, 83(4), 1552–1561. <https://doi.org/10.3758/s13414-020-02227-4>

Allingham, E., Hammerschmidt, D., & Wöllner, C. (2021). Time perception in human movement: Effects of speed and agency on duration estimation. *Quarterly Journal of Experimental Psychology*, 74(3), 559–572. <https://doi.org/10.1177/1747021820979518>

Hammerschmidt, D., Wöllner, C., London, J., & Burger, B. (2021). Disco time: The relationship between perceived duration and tempo in music. *Music & Science*, 4, 205920432098638. <https://doi.org/10.1177/2059204320986384>

### **2020**

Hammerschmidt, D., & Wöllner, C. (2020). Sensorimotor synchronization with higher metrical levels in music shortens perceived time. *Music Perception*, 37(4), 263–277.  
<https://doi.org/10.1525/mp.2020.37.4.263>

### **2018**

Wöllner, C., Hammerschmidt, D., & Albrecht, H. (2018). Slow motion in films and video clips: Music influences perceived duration and emotion, autonomic physiological activation and pupillary responses. *PloS One*, 13(6), e0199161.  
<https://doi.org/10.1371/journal.pone.0199161>

Hammerschmidt, D., & Wöllner, C. (2018). The impact of music and stretched time on pupillary responses and eye movements in slow-motion film scenes. *Journal of Eye Movement Research*, 11(2). <https://doi.org/10.16910/jemr.11.2.10>

## **2017**

Hammerschmidt, D., & Wöllner, C. (2017). Audio-visual quality perception in musical performance videos. *Jahrbuch Musikpsychologie*, 27(1), 112–127.  
<https://doi.org/10.23668/psycharchives.2808>

## **BOOK CHAPTERS**

### **2022**

Hammerschmidt, D., & Mayrshofer, S. (accepted). InnerTiming: Eine online Finger-Tapping Applikation. In P. Moormann & N. Ruth (Eds.), *Musik nach dem Internet: Phänomene populärer Musikkulturen*. Springer VS.

Hammerschmidt, D. (accepted). Spontaneous motor tempo: A window into the inner sense of time. In C. Wöllner & J. London (Eds.), *Performing Time: Synchrony and Temporal Flow in Music and Dance*. Oxford University Press.

## **CONFERENCE PROCEEDINGS**

### **2018**

Wöllner, C., & Hammerschmidt, D. (2018). Stretching time in audiovisual media: Influences of playback technology and music on perceived emotion and induced arousal. In E. Himonides, A. King, & F. Cuadrado (Eds.), *Proceedings of the SEMPRES MET 2018: Researching Music, Education, Technology* (pp. 79–81). iMerc Press.  
<https://discovery.ucl.ac.uk/id/eprint/10046069/>

### **2015**

Hammerschmidt, D., & Wöllner, C. (2015). The influence of image compression rate on perceived audio quality in music video-clips. In R. Timmers, N. Dibben, Z. Eitan, R. Granot, T. Metcalfe, A. Schiavio, & V. Williamson (Eds.), *Proceedings of ICMEM 2015: International Conference on the Multimodal Experience of Music*. HRI Online Publications.  
<https://www.dhi.ac.uk/openbook/chapter/ICMEM2015>

## **CONFERENCE PRESENTATIONS**

### **2021**

Hammerschmidt, D., & Wöllner, C. (September, 2021). *Das spontane motorische Tempo im Alltag: Eine Studie über den Einfluss der Chronobiologie und musikalischen Erfahrung*. 37. Jahrestagung der Deutschen Gesellschaft für Musikpsychologie (DGM), virtual conference.

Hammerschmidt, D., & Wöllner, C. (July, 2021). *Spontaneous motor tempo: Investigating chronobiology and musical sophistication using an experience sampling method*. 16th International Conference on Music Perception and Cognition (ICMPC) / 11th Triennial Conference of the European Society for Cognitive Sciences of Music (ESCOM), virtual conference.

Hammerschmidt, D., & Wöllner, C. (July, 2021). *Investigating spontaneous motor tempo online with a large international sample*. 5th International Conference on Time Perspective (ICTP), virtual conference.

## **2020**

Hammerschmidt, D., Frieler, K., & Wöllner, C. (November, 2020). *"Eigentempo": A large-scale online study investigating factors affecting the spontaneous motor tempo*. 6th Annual McMaster NeuroMusic Conference, virtual conference.

Hammerschmidt, D., Frieler, K., & Wöllner, C. (September, 2020). *Innere Zeit: Eine Online-Tappingstudie zum spontanen motorischen Tempo und dessen Einflussfaktoren*. 36. Jahrestagung der Deutschen Gesellschaft für Musikpsychologie (DGM), virtual conference.

## **2019**

Hammerschmidt, D., Wöllner, C., & London, J. (November, 2019). *It's about time: The relationship between tempo and duration perception in music*. Symposium "Time Changes in Experiences of Music and Dance", Universität Hamburg, Germany.

Hammerschmidt, D., & Wöllner, C. (November, 2019). *Inner timing: An online investigation of spontaneous motor tempo with a large international sample*. Symposium "Time Changes in Experiences of Music and Dance", Universität Hamburg, Germany.

Hammerschmidt, D., Wöllner, C., & London, J. (September, 2019). *Time-Stretching: Über den Zusammenhang von Tempo- und Zeitwahrnehmung beim Musikhören*. 35. Jahrestagung der Deutschen Gesellschaft für Musikpsychologie (DGM), Katholische Universität Eichstätt-Ingolstadt, Germany.

Hammerschmidt, D., & Wöllner, C. (September, 2019). *Sensorimotor synchronization to different metrical levels in music influences time perception*. 12th International Conference of Students of Systematic Musicology (SysMus19), Berlin University of Applied Sciences, Germany.

## **2018**

Hammerschmidt, D., Visi, F., & Wöllner, C. (September, 2018). *Sensomotorische Synchronisation zu Musik und die Wahrnehmung von Zeit*. 34. Jahrestagung der Deutschen Gesellschaft für Musikpsychologie (DGM), Justus-Liebig-Universität Gießen, Germany.

Hammerschmidt, D., & Wöllner, C. (July, 2018). *Eye movements in film perception: The impact of emotional music and playback speed*. 15th International Conference on Music Perception and Cognition (ICMPC) / 10th Triennial Conference of the European Society for Cognitive Sciences of Music (ESCOM), Universität Graz, Austria.

## **2017**

Hammerschmidt, D., Wöllner, C., Albrecht, H., & Hohagen, J. (September, 2017). *Audiovisuelle Zeitlupe: Analysen von Blickbewegungen in verschiedenen Videogenres*. 33. Jahrestagung der Deutschen Gesellschaft für Musikpsychologie (DGM), Universität Hamburg, Germany.

Hammerschmidt, D., Wöllner, C., Albrecht, H., & Hohagen, J. (August, 2017). *Music and slow motion: A study of eye movements in film and video clips*. Conference on Music and Eye-Tracking, Max Planck Institute for Empirical Aesthetics, Frankfurt, Germany.

## **2015**

Hammerschmidt, D., & Wöllner, C. (September, 2015). *Audiovisuelle Qualitätswahrnehmung bei Musikvideos*. 32. Jahrestagung der Deutschen Gesellschaft für Musikpsychologie (DGM), Universität Wien, Austria.

Hammerschmidt, D., & Wöllner, C. (March, 2015). *The influence of image compression rate on perceived audio quality in music video-clips*. Symposium "Mind, Brain & Body", Humboldt Universität zu Berlin, Germany.

## **2014**

Hammerschmidt, D., & Wöllner, C. (September, 2014). *Über den Einfluss der visuellen Qualität auf die wahrgenommene Audioqualität bei Musik*. 30. Jahrestagung der Deutschen Gesellschaft für Musikpsychologie (DGM), Fraunhofer-Institut für Integrierte Schaltungen, Erlangen, Germany.