

Thomas WOLF

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PROFESSIONAL APPOINTMENTS & EDUCATION

since 2020	Postdoctoral Researcher at the Cognitive Science Department at CEU, Vienna, Austria
2019-2020	Postdoctoral Researcher at the Cognitive Science Department at CEU, Budapest, Hungary
2018	Visiting Researcher at IRCAM/CNRS/Sorbonne Université, Paris, France, working with: Clément Canonne and Jean-Julien Aucouturier
since 2015	Responsible for establishing and directing the Somby MusicLab at the Cognitive Science Department at CEU in Budapest as well as moving it to Vienna in 2020 and directing it there since
2014 - 2019	PhD awarded on the 5th of June, 2019 - Thesis Title: <i>Joint Music-Making and Temporal Coordination in Joint Action</i> . Department of Science at CEU, Budapest, Hungary. Supervised by Günther Knoblich and Natalie Sebanz
2013	Research Internship at the Haidlhof Research Facility, Department of Cognitive Biology, University of Vienna, Austria Supervised by: Jorg Massen and Thomas Bugnyar
2012 - 2014	M.Sc. awarded in October, 2014 Middle European Interdisciplinary Master Program in Cognitive Science at the University of Vienna
2011 - 2012	Fellow at the program for Phenomenology and Philosophy of Mind at the University of Copenhagen, Denmark
2006 - 2011	Mag.phil. awarded in July, 2011 Institute for Musicology at the University of Vienna, Austria Major Subject: Musicology / Minor Subject: Philosophy

GRANTS, FELLOWSHIPS & AWARDS

2025	Funding for the project "Arbeitslieder beim Pilotenschlagen" (Work songs during manual pile driving) by the Kulturland Niederösterreich, 1.200 €
2024	Vienna Cognitive Science Hub Seed Grant, 7.500 €
2022	ERC Proof of Concept Grant "Training Alone to Play Together App (TAPTAPP)", applied with Natalie Sebanz, 150.000 €
2019	Award for Advanced Doctoral Students, CEU, 800 €
2018	Doctoral Research Support Grant, CEU, 3.870 €
2014	Academic Excellence Scholarship, University of Vienna, 767 €
2013	Academic Excellence Scholarship, University of Vienna, 745 €
2012	Danish Government Scholarship under the Cultural Agreements, 55.000 kr. (7.400 €)

PEER-REVIEWED PUBLICATIONS

Wolf, T., (in prep.). The usage of lifting calls in the Lower Austrian village Steinegg

Wolf, T., (in prep.). Coordinating Effort Through Song: A Case Study of Steinegg's Manual Pile Driving Tradition.

Wiedemann, E., Geč, T., Nordt, P., Puhar, A., & Wolf, T. (in prep.). Coordination Requirements Predict Musical Features of Work Songs - A Corpus Study.

Wolf, T., Faraco, A., & Canonne, C. (under review, 2nd round). Assessing the respective roles of temporal coordination, action content similarity, and mutual responsivity in perceived togetherness. *Acta Psychologica*

Wolf, T., Faraco, A., Dauvet-Diakhaté, H., Bevilacqua, F., & Canonne, C. (accepted). An Exploratory Study of Polytempo Music Performance with Expert Musicians. *Music & Science*

Wolf, T., Bevilacqua, F., Dauvet-Diakhaté, H., & Canonne, C. (2026). Attentional strategies and ancillary gestures in resisting unintentional synchronization during joint action. *Acta Psychologica*, 266, 106792. <https://doi.org/10.1016/j.actpsy.2026.106792>

Wolf, T., Sebanz, N., & Knoblich, G. (2026). How characteristics of work songs facilitate tempo-keeping in social interactions. *Proceedings of the Royal Society B: Biological Sciences*, 293(2069), 20252944. <https://doi.org/10.1098/rspb.2025.2944>

Wolf, T., Novák, T. & Knoblich, G. (2023). Videos posted on the internet provide evidence for joint rushing in naturalistic social interactions. *Scientific Reports*, 13, 10584. <https://doi.org/10.1038/s41598-023-37247-1>

Wolf, T., Goupil, L., & Canonne, C. (2023). Beyond togetherness: interactional dissensus fosters creativity and tension in freely improvised musical duos. ***Psychology of Aesthetics, Creativity, and the Arts***. Advance online publication. <https://doi.org/10.1037/aca0000588>

Curioni, A., Voinov, P., Allritz, M., Wolf, T., Call, J., & Knoblich, G. (2022). Human adults prefer to cooperate even when it is costly. ***Proceedings of the Royal Society B***, 289(1973). <https://doi.org/10.1098/rspb.2022.0128>

Wolf, T., & Knoblich, G. (2022). Joint rushing alters internal timekeeping in non-musicians and musicians. ***Scientific Reports***, 12(1), 1190. <https://doi.org/10.1038/s41598-022-05298-5>

Goupil, L., Wolf, T., Saint-Germier, P., Aucouturier, J.-J., & Canonne, C. (2021). Emergent Shared Intentions Support Coordination During Collective Musical Improvisations. ***Cognitive Science***, 45: e12932. <https://doi.org/10.1111/cogs.12932>

Miton, H., Wolf, T., Vesper, C., Knoblich, G., & Sperber, D. (2020). Motor constraints influence cultural evolution of rhythm. ***Proceedings of the Royal Society B***, 287(1937). <https://doi.org/10.1098/rspb.2020.2001>

Simonsen, A., Fuglsang-Bliksted, V., Wolf, T., Michael, J., Fusaroli, R., Roepstorff, A., & Frith, C. (2020). Distinguishing oneself from others: Spontaneous Perspective-Taking in First Episode Schizophrenia and its relation to Mentalizing and Psychotic Symptoms. ***Schizophrenia Bulletin***, <https://doi.org/10.1093/schizbullopen/sgaa053>

Wolf, T., Sebanz, N., & Knoblich, G. (2020). Adaptation to Unstable Coordination Patterns in Individual and Joint Actions. ***PLoS ONE***, 15(5), e0232667. <https://doi.org/10.1371/journal.pone.0232667>

Wolf, T., Vesper, C., Sebanz, N., Keller, P. E., & Knoblich, G. (2019). Combining Phase Advancement and Period Correction Explains Rushing during Joint Rhythmic Activities. ***Scientific Reports***, 9(1), 9350. <https://doi.org/10.1038/s41598-019-45601-5>

Wolf, T., Sebanz, N., & Knoblich, G. (2018). Joint Action coordination in expert-novice pairs: Can experts predict novices' suboptimal timing? ***Cognition***, 178, 103-108. <https://doi.org/10.1016/j.cognition.2018.05.012>

Michael, J., Wolf, T., Letesson, C., Butterfill, S., Skewes, J., & Hohwy, J. (2018). Seeing it both ways: Using a double-cuing task to investigate the role of spatial cuing in Level-1 visual perspective-taking. ***Journal of Experimental Psychology: Human Perception and Performance***, 44(5), 693. <http://dx.doi.org/10.1037/xhp0000486>

Michael, J., & Wolf, T. (2014). Why Apply a Hierarchical Predictive Processing Framework to Music Perception and Performance?. ***Empirical Musicology Review***, 9(3/4), 177. <http://dx.doi.org/10.18061/emr.v9i3-4.4613>

Michael, J., Sandberg, K., Skewes, J., Wolf, T., Blicher, J., Overgaard, M., & Frith, C. (2014). Unconvincing statistical and functional inferences: reply to Catmur. *Frontiers in Human Neuroscience*, 8, 887. <https://doi.org/10.3389/fnhum.2014.00887>

Michael, J., Sandberg, K., Skewes, J., Wolf, T., Blicher, J., Overgaard, M., & Frith, C. D. (2014). Continuous theta-burst stimulation demonstrates a causal role of premotor homunculus in action understanding. *Psychological Science*, 25(4), 963-972. <https://doi.org/10.1177/0956797613520608>

EDITORIALS

Robrecht P.R.D. van der Wel, Becchio, C., Curioni, A. & Wolf, T. (2021). Understanding joint action: Current theoretical and empirical approaches. *Acta Psychologica*, 215, <https://doi.org/10.1016/j.actpsy.2021.103285>

BOOK CHAPTERS

Wolf, T. (accepted). Using Online Videos for Research on Joint Music-Making. In F. Gribenski, & C. Canonne (Eds.), *New Methods and New Challenges in Empirical Musicology*. Oxford University Press

PRE-PRINTS

Michael, J., Liang, Y., Wolf, T., Török, G., & Székely, M. (2019). Comparing effort perception in individual and joint action contexts. *PsyArXiv Preprints*. <http://doi.org/10.31234/osf.io/zpjt看>

EDITING & PEER REVIEW

Guest Editor of *Acta Psychologica*. Special Issue: *Current Issues in Joint Action Research*. Edited together with Rob van der Wel, Ariana Curioni and Christina Becchio (2020).

Reviewer for Journals such as *Acta Psychologica*, *Cognitive Science*, *Consciousness and Cognition*, *Frontiers in Psychology*, *iScience*, *Journal of Cognition*, *Music Perception*, *Musicae Scientiae*, *NeuroImage*, *Open Mind: Discoveries in Cognitive Science*, *Phenomenology and Cognitive Sciences*, *Psychology of Music*, *Ethical Theory and Moral Practice*, *Psychonomic Bulletin & Review* and *Scientific Reports*

Reviewer for grant agencies such as the *Agence Nationale de la Recherche*, France.

ACADEMIC MEMBERSHIPS

Member of the European Society for the Cognitive Sciences of Music

Network associate of the Vienna Cognitive Science Hub

Founding member of the Vienna Network for Music and Cognition Research (ViNoMaRe)

ORGANIZATION OF SCIENTIFIC MEETINGS

2026	3rd Meeting of the Vienna Network for Music and Cognition Research (ViNoMaRe) in Vienna, Austria. Organized with Anja-Xiaoxing Cui and Felix Haiduk and support secured by Thomas Wolf from the Social Mind Center
2025	2nd Meeting of the Vienna Network for Music and Cognition Research (ViNoMaRe) in Vienna, Austria. Organized with Anja-Xiaoxing Cui and Felix Haiduk and supported by CEU's Conferences and Academic Events Fund awarded to Thomas Wolf
2024	1st Meeting of the Vienna Network for Music and Cognition Research (ViNoMaRe) in Vienna, Austria. Organized with Anja-Xiaoxing Cui and Felix Haiduk and supported by funding from the Vienna Cognitive Science Hub awarded to Anja-Xiaoxing Cui, Felix Haiduk and Thomas Wolf
since 2023	Triweekly meetings of the Vienna Network for Music and Cognition Research Reading Club which takes place at various research institutes in Vienna, Austria. Organized with Anja-Xiaoxing Cui.
2019-2022	Monthly meetings of the Music Cognition Reading Club in Budapest (2019-2020) and Vienna (2021-2023). Organized with Anna Zamm and Atsuko Tominaga.
2019	Conference Organizer: 8th Joint Action Meeting - Genova, Italy. Organized with Christina Becchio, Antonio Camurri, Andrea Cavallo, Arianna Curioni, Günther Knoblich & Natalie Sebanz

TEACHING EXPERIENCE

2024	Lecture on "Current Topics in Joint Action Research" as part of the MEi:CogSci Lecture Series 2024 at University of Vienna, Vienna, Austria
2023	Invited workshop at the Interdisciplinary College 2023 "Joint action, interpersonal coordination, and coordination devices such as work songs", 3 lectures of 90 minutes each, in Günne, Germany
2020 & 2017	Workshop "Max for Cognitive Scientists", at CEU, Vienna, Austria

2019 & 2018	Workshop “R for Interested Beginners”, at CEU, Budapest, Hungary
2017	“What Can Music Tell Us About Social Cognition?” as part of the course “Social Cognition” at the Budapest University of Technology and Economics (BME), Budapest, Hungary
2013 - 2014	“Tools in Cognitive Science I: Introduction to Programming for Cognitive Scientists”, Tutor, University of Vienna, Austria

MENTORING EXPERIENCE

Co-supervision of two PhD projects, supervision of two master thesis projects and supervision of three internships.

CONFERENCE PRESENTATIONS, POSTERS & INVITED TALKS

2025

July	"Do the Musical Features of Work Songs Reflect Their Role in Interpersonal Coordination?", presentation at the Joint Action Meeting 2025 (JAM X), Turin, Italy
June	"Do Work Songs' Musical Features Reflect Their Role in Interpersonal Coordination?", presentation at the 20th Rhythm Perception and Production Workshop, Jyväskylä, Finland

2024

November	"How do Vocalizations Support Joint Action Coordination?", invited talk at the Brownbag Sessions of the Vienna Cognitive Science hub, Vienna, Austria
July	ESCOM "The role of visual coupling and auditory attention in non-synchronized temporal coordination", poster at ESCOM12 - the 12th Triennial Conference of the European Society for the Cognitive Sciences of Music, York, UK
May	“How do work songs stabilize the tempo of rhythmic joint actions?”, presentation at the International Conference on the Evolution of Language: EVOLANG XV, Madison, USA
April	How do work songs stabilize the tempo of rhythmic joint actions?, invited talk at the Università degli Studi di Milano Statale, Milan, Italy
March	"The Role of Work Songs in Rhythmic Group Coordination", presentation at the March Meeting of the Vienna Behavioral Circle, Vienna, Austria

February	"How do Vocalizations Support Joint Action Coordination?", invited talk at the Université Paris Cité, Paris, France
2023	
August	"How do work songs stabilize the tempo of rhythmic joint actions?", presentation at the ICMPC17-APSOM7, Tokyo, Japan
July	"How do work songs stabilize the tempo of rhythmic joint actions?", presentation at the 9th Joint Action Meeting, Budapest, Hungary
March	"How do work songs stabilize the tempo of rhythmic joint actions?", invited talk at the Center for Music in the Brain (MIB) at Aarhus University, Aarhus, Denmark
2022	
July	"Joint rushing in rhythmic real-world interactions", presentation at the Musical Togetherness Symposium (MTS-22)
2021	
July	"Joint rushing depends on continuous input from co-performers", presentation at ICMPC16-ESCOM11, worldwide/online
June	"The Role of Period Correction and Continuous Input from a Co-Performer in Joint Rushing", presentation at the Rhythm Production and Perception Workshop 2021, Oslo, Norway
2019	
July	"The Bug Within - Why do people rush during rhythmic interactions?", presentation at JAM8 2019, Genoa, Italy
March	"The Bug Within - Why do people rush during rhythmic interactions?", presentation at the ICPS 2019, Paris, France
2018	
October	"What can Music Making teach us about Joint Actions?", presentation at a Séminaire invité recherche et technologie at IRCAM, Paris, France
2017	
June	"From Expert Model to Novice Performance - Can Experts Adapt to Novices' Faulty Timing in Joint Music Performance?", presentation at the Music, Language and Cognition Summer School 2017, Como, Italy
March	"From Expert Model to Novice Performance - Can Experts Adapt to Novices' Faulty Timing in Joint Music Performance?", poster at ICPS 2017, Vienna, Austria
2016	

September	“How do Experts Adapt to Novices in Joint Music Performance?”, presentation at the Making Time in Music Conference, University of Oxford, England
2015	
June	“Joint Action, Music and Interpersonal Coordination”, alumni keynote presentation at the MEi:CogSci Conference 2015, Ljubljana, Slovenia

PUBLIC ENGAGEMENT, MEDIA COVERAGE & ARTISTIC COLLABORATIONS

2026

June	Research on work songs featured in Austrian newspaper "Die Presse" online and in print: https://www.diepresse.com/31014557/arbeitsgesaenge-nur-einer-soll-den-rhythmus-vorgeben
May	Paper on "How characteristics of work songs facilitate tempo-keeping in social interactions" featured in international news outlets: - Mix104.9: https://www.mix1049.com.au/trending/stories/sea-shanties-really-do-make-hard-work-feel-easier/ - Phys.org: https://phys.org/news/2026-05-songs-team.html
April	"Wie können Arbeitslieder soziale Zusammenarbeit unterstützen?" - an interactive station as part of the Long Night of Research 2026, Vienna

2025

March	"Rhythmus und Langsamkeit lernen: mit Glühwürmchen und Sea Shantis" - Selected to host a stand at the Wiener Forschungsfest 2025, Vienna Austria, Estimated reach: ~14.000 visitors
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2024

December	"Champagne Protocols", an experimental research workshop with David Merlo at Césaré (Centre National de Création Musicale), in Reims, France "Rome Protocols", an experimental research workshop with the Ensemble Exàifnes resulting in a public concert at the 61st Nuova Consonanza contemporary music festival in Rome, Italy
February	"Milesdavisquintetorchestra!" a project including a concert, a documentary and a scientific presentation at the <i>sons d'hiver</i> festival in Paris, France: https://www.sonsdhiver.org/milesdavisquintetorchestra/ Documentary: https://laplateforme-sonsdhiver.org/dphase-documentaire/ (Trailer: https://www.youtube.com/watch?v=XJktiU1PnQ)

2022

May	“Why do we rush in social interactions and what does it have to do with fireflies and sea shanties?”, an interactive installation as part of the <i>Lange Nacht der Forschung</i> in Austria. Estimated reach: ~ 200 visitors. https://langenachtderforschung.at/station/1683
April	Parts of the musical output of my research in collaboration with Clément Canonne was published on the CD “Improvisation in the Lab” by Ephemeral Collectives, together with an elaborate booklet describing the research: ephemeralcollectives.bandcamp.com/album/improvisation-in-the-lab
February	Online media coverage of the project “TAPTAPP - Training alone to play together - App”. https://science.orf.at/stories/3211628/ Radio interview about the project “TAPTAPP”. Broadcasted on Ö1 on February 22nd. https://oe1.orf.at/player/20220222/669262/1645534500000
2018	
January - February	“Das Tanztheremin”, an interactive installation on the topic of Joint Foraging, as part of the <i>art IN academia</i> conference and exhibition at the Centrális Gallery, Open Society Archives, Budapest. Estimated reach: several hundred visitors. https://philosophy.ceu.edu/events/2018-01-18/art-academia
2017	
November	“Together in pink”, an interactive movement game for two players displayed at CEU, Budapest on a monitor facing the pedestrian zone in Zrínyi street.
April	“How do we sound together?”, a science project / art installation at the TATE Modern, London, in collaboration with the School of Advanced Study at University of London. Estimated reach: > 2.000 visitors. https://philosophy.sas.ac.uk/events/event/8098

OTHER WORK EXPERIENCE

2008 - Present	Musician and Actor at <i>SOG.Theater, Zentrum für Theaterpädagogik und strategische Inszenierung</i>, Wr. Neustadt – www.sog-theater.com
2010 - 2012	Production Assistant at <i>KAIROS Music Production</i>, www.kairos-music.com

PROGRAMMING SKILLS

advanced	R, Max MSP
intermediate	Python

proficient

MATLAB