

CENTRE FOR SYSTEMATIC MUSICOLOGY

The how and why of music



ANNUAL REPORT 2020

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tomorrow

UNIVERSITÄT GRAZ
UNIVERSITY OF GRAZ



Karl-Franzens-Universität Graz
Geisteswissenschaftliche
Fakultät 

CENTRE FOR SYSTEMATIC MUSICOLOGY

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Future of the centre

The centre was successfully evaluated by the Performance and Quality Management unit (LQM) with a final implementation workshop in March. Despite the positive evaluation, the centre's future is unclear. It will depend on broader plans for the future organization of the Faculty of Humanities. Richard Parncutt will retire in September 2023; if his position is re-advertised, continuity will be possible. The centre's four research-active members and members of the advisory committee favor maintaining an independent Centre for Systematic Musicology as part of a broader long-term strategy to promote internationally visible, socially relevant, interdisciplinary research that crosses the boundary between humanities and sciences.

Music and neuroscience

Following successful negotiations in 2020, the international Music and Brain research group, previously located at the University of Heidelberg, will be located within the Centre for Systematic Musicology in Graz, starting in 2021. The group will contribute to an open research network and profile-building field of excellence entitled "Brain and Behavior" at the University of Graz. Meanwhile, the centre's research will continue to cover all areas of systematic musicology, including the psychology, acoustics, philosophy, computer science, and sociology of music, with connections to ethnomusicology and historical musicology, and applications in music education, music medicine, and music therapy.

Research staff

Richard Parncutt focused his attention on two book projects, each based on a string of earlier publications. One will address the psychoacoustic foundations of Western music theory and major-minor tonality, while the other addresses the origin and function of music and religion from the perspective of developmental psychology. For this purpose, Parncutt was granted a sabbatical semester in winter 2020.

Annemarie Seither-Preisler advanced a series of projects on the neuroscience of music. Longitudinal data were analyzed from two funded projects: AMseL (“Audio- und Neuroplastizität des musikalischen Lernens”) and a Heisenberg research program in collaboration with Peter Schneider, University of Heidelberg (“Sound perception between outstanding musical abilities and auditory dysfunction”). Seither-Preisler, Schneider, and cooperation partners are studying long-term effects of early musical training on brain and behavior in children and adolescents with and without developmental disorders and learning deficits (AD(H)D, dyslexia). Their latest publications address the educational and therapeutic implications of their findings for the neural foundations of musicality and its training-induced plasticity. Seither-Preisler prepared a new collaborative FWF proposal entitled “Neural predictors of dyslexia, AD(H)D, and ASD in the auditory brain and influence of auditory training on brain and behavior in children” – a continuation of the former Heisenberg project that focuses on short-term auditory training for both musicians and non-musicians. During Parncutt’s sabbatical semester in Winter 2020, Seither-Preisler for the first time offered Master’s students in Musicology a seminar on music and neuroscience.

Andrea Schiavio continued his FWF funded stand-alone project “Together in Music”, exploring innovative ways to assess, conceptualize, and enhance creativity in expert and novice musicians. Together with Richard Parncutt and Jonna Vuoskoski (RITMO, Oslo), he founded the book series *Music as Art and Science* with Oxford University Press. He joined the editorial board of the *Journal of Interdisciplinary Music Studies*, for which he co-edited a special issue on “Embodiment in Music”. He finalized the co-authored monograph “Musical Minds, Musical Bodies”, which will be published by MIT Press. Besides numerous new publications in peer-reviewed journals, he designed and ran new empirical studies, taught an MA course, supervised doctoral students, and co-edited two special issues for *Frontiers in Psychology* (cross-listed with *Frontiers in Education* and *Frontiers in Neuroscience*, respectively): “Towards a meaningful instrumental music education”, and “What is musical creativity? Interdisciplinary dialogues and approaches”. He was appointed external examiner for a doctoral candidate at the University of Technology Sydney (Australia).

Bernd Brabec de Mori submitted a stand-alone FWF grant proposal entitled “Cosmologies of musical health practices: An anthropology of modern sound healing and music therapy”. He organized the annual meeting of the Austrian Society for Musicology (ÖGMW), originally planned for autumn 2020 on the theme “Listening – Focusing – Ignoring”, and postponed until 2021. He co-organized the first symposium of the “Study Group in the Making” for Music and Dance in Indigenous and Postcolonial Contexts, originally planned for Hualien, Taiwan in summer, and postponed to early December in a semi-virtual format. He taught at University of Graz, University of Vienna, and Philipps-University Marburg.

Doctoral students

Several doctoral students are being supervised by centre members.

Helena Dukić is a music therapist in Zagreb. She graduated on 4 March with a dissertation entitled “Exploring the narrative nature of music: Comparing listeners’ imagery with analysis of musical structure”.

Valentina Jerenec-Šmigoc holds a Bachelor’s degree in singing from the Bruckner Private University in Linz and a Diploma in psychology from University of Ljubljana. She started her project on the influence of audiences on performers during performance in autumn 2020.

Adrian Kempf has a background in music performance, philosophy, engineering, and cognitive science. He began his doctoral project in autumn 2020, tentatively entitled “The impact of moving together on musical creativity.” It is financially supported by FWF Stand Alone Project “Together in Music” granted to Andrea Schiavio.

Ta-Hsin Kuo is a musician and anthropologist. He studied in Taipei, Ljubljana, and Vienna, conducted extensive field research in Vietnam and has been working on his PhD thesis “Nostalgia and revival of Bolero music: Seeking the soul of Vietnam”, co-supervised by Brabec de Mori at the University of Vienna.

Sabrina Sattmann is a flutist, instrumental teacher, and head of a music school. She holds a diploma in psychology (BSc and MSc) and a bachelor’s and a master’s degree in musicology. She previously worked for the centre as a project assistant and as co-organizer of the conference ICMPC15/ESCOM10. She began her doctoral project in autumn on “Peak experiences in music perception: chills, emotions, and the role of empathy and personality”.

Anita Taschler is an ex-student of Parncutt. In 2020, she began her doctoral project on musical ecstasy and trance in an intercultural and interdisciplinary context.

Bettina Zeidler studied Systematic Musicology in Würzburg and Hamburg and was a member of the “Music and Brain” research group in Heidelberg from 2016-2019. She began her doctoral project entitled: “Auditory profiles and neural biomarkers in the auditory cortex of children with autism spectrum disorder (ASD)” in Winter 2020.

During 2020 we received enquiries from seven further potential doctoral students.

Postdoc

At postdoc level, **Maria Chelkowska-Zacharewicz**, a music psychologist from Katowice, Poland, applied for a Marie Skłodowska-Curie Individual Postdoc Fellowship from the European Commission within the Horizon 2020 Framework Programme. The project was entitled “What are music emotions? The behaviour and context of emotional experience in music listening”.

Student assistants

The centre has several student assistants who work for up to 4 semesters while enrolled in a Bachelor's or Master's program.

Lukas Kummer supports the Music and Brain research group. His master's thesis will address psychological empowerment and environmentally conscious behavioral intentions. He plans to specialize in therapy for children with developmental disorders, learning deficits, and autism spectrum disorders.

Lazar Radovanovic solves our technical problems and supports the research of Parncutt. He is enrolled in MSc Elektrotechnik-Toningenieur and is interested in room acoustics and electroacoustics.

Theresa Schallmoser supports our house journal, *Journal on Interdisciplinary Music Studies*. She is enrolled in BSc Psychology and planning to move into health or work psychology.

Noemi Silvestri is enrolled in MA Musikologie (focus: ethnomusicology), while supporting Parncutt's research. Her master's thesis will address music, identity, and the audience's perspective on mainstream music production in Serbia, Croatia and Bosnia and Herzegovina.

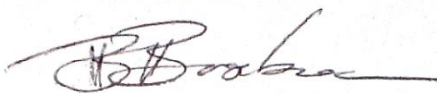
Evelyn Zimmel became our office manager in September 2020. She is enrolled in the MSc in psychology and her project will address the effect of song lyrics on emotion in fear-provoking situations. Her predecessor was **Anja Dörfler**, studying English and German literature.

COVID-19

~~During 2020, many events were canceled due to COVID-19. Throughout this report, such events have been included as originally planned and crossed out.~~

We have moved!

At the end of 2020, the centre moved from Wallgebäude (Merangasse 70) to Glacisstrasse 27, closer to Uni Graz campus and conveniently located between Zinzendorfsgasse and Stadtpark.



STAFF

Director / Professor

Richard Parncutt



Associate Professor

Annemarie Seither-Preisler

FWF Senior Postdoc Researcher

Andrea Schiavio



Senior Researcher

Bernd Brabec de Mori

International Research Associate

Peter Schneider, Universitätsklinikum
Heidelberg, Germany



Doctoral Students

Anita Taschler

Sabrina Sattmann

Bettina Zeidler

Adrian Kempf

Valentina Jerenec-Šmigoc



Student Assistants

Theresa Schallmoser

Lukas Kummer

Noemi Silvestri

Lazar Radovanovic



Office Managers

Anja Dörfler

Evelyn Zimmel



Advisory Board

Andreas Dorschel, Department of Music Aesthetics, KUG

Gerhard Eckel, Department of Electronic Music and Acoustics, KUG

Andreas Schwerdtfeger, Department of Psychology, Uni Graz

FUNDED RESEARCH PROJECTS

Schneider, P., in collaboration with Seither-Preisler, A. “Plasticity of the neuro-auditory network in musically trained adolescents”. German Science Foundation (DFG), February 2016 – January 2021.

Schneider, P., in collaboration with Seither-Preisler, A. “Sound perception between outstanding musical abilities and auditory dysfunction: The neural basis of individual predisposition, maturation, and learning-induced plasticity in a lifespan perspective”. Heisenberg fellowship program of German Science Foundation (DFG), February 2016 – January 2021. Further information: www.musicandbrain.de

Schiavio, A. Principal investigator, FWF funded Stand-Alone project “Together in Music: Creative tools for performance, education, and composition” (since 2019).

Turker, S. DOC fellowship, ÖAW (Österreichische Akademie der Wissenschaften). “The neuroanatomical correlates of foreign language aptitude and musical ability” (01.09.2017 - 31.08.2020).

Brabec de Mori, B. Co-investigator, ITC project at the Lucerne University of Applied Science, “Sounding Amazonia in Museums” (since December 2020).

EXTERNAL RESEARCH COLLABORATION

Parncutt

Helena Dukić (music therapist in private practice, Zagreb): Grant application in preparation, “Influence of music versus induced maternal emotions on fetal facial expressions and movements”.

Renee Timmers (music psychologist, Department of Music, Sheffield University, UK): Planning for ICMPC16/ESCOM11 (International Conference on Music Perception and Cognition / European Society for the Cognitive Sciences of Music) in 2021 based on the low-carbon high-inclusion semi-virtual format developed in Graz in 2018.

Seither-Preisler

Peter Schneider (physicist, church musician and certified hearing therapist; Department of Neurology, University of Heidelberg, Germany). In autumn 2020, he joined our center as an academic staff member in 2021.

Sabrina Turker (former doctoral student of Seither-Preisler and Humboldt Fellowship holder at the Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig) and *Susanne Reiterer* (professor at Center for Language Learning and Teaching Research at the University of Vienna): Shared publications on the comparative neural processing of language and music.

Bernd Laback and *Martin Lindenbeck* (Auditory Research Institute of the Austrian Academy of Sciences): Software development of “ExpSuite” (platform for testing subjective pitch perception

and individual auditory profiles in normal hearing and hearing-impaired subjects based on PPPT of Schneider (2005) and AAT of Seither-Preisler (2007). The test will be used to optimize adaptation procedures of patients with cochlear implants.

Valdis Bernhofs (Vice-rector of Jāzeps Vītols Music Academy Riga, Latvia) and *Tine Groß* (University of Homburg, Germany): Pilot measurements with mobile EEG in preparation for FWF-research project.

Markus Christiner (linguist at Dept. of Neurology, University Hospital of Heidelberg until December 2020): Research on language aptitude and the musicality of languages; for 2021 a continued collaboration with an application for an APART fellowship affiliated to the Centre for Systematic Musicology in Graz and the Jāzeps Vītols Music Academy Riga, is planned.

Schiavio

Mathias Benedek (psychologist, University of Graz): Coordinating research and experimental work on musical creativity for FWF project; joint publication in *Frontiers in Neuroscience*.

Michele Biasutti (music psychologist, University of Padua): Research on musical creativity, skill acquisition, and technology; preparation and execution of qualitative studies; joint publications.

Nikki Moran (music psychologist, University of Edinburgh): Research on musical creativity, language, and performance; preparation and execution of qualitative studies; joint publications.

Luc Nijs (music educator, University of Ghent): Research on musical creativity, skill acquisition; preparation and execution of a longitudinal study; joint edited collection for *Frontiers*. He will visit the centre for 3 months in Spring 2021.

Jan Stupacher (music psychologist, Aarhus University): Research on musical skill acquisition, interaction, and synchronization; preparation and execution of empirical studies; joint publication in *Music Perception*, new paper submitted.

Renee Timmers (music psychologist, University of Sheffield): Research on musical skill acquisition, interaction, and synchronization; preparation and execution of empirical studies; joint publication in *Music Perception* and new paper submitted.

Dylan van der Schyff (music educator; University of Melbourne): Research on musical creativity, skill acquisition, and performance; preparation and execution of qualitative studies; joint publications including monograph for MIT Press and edited collection for *Frontiers*.

Brabec de Mori

Matthias Lewy (music anthropologist, Lucerne University of Applied Sciences): Joint research in indigenous post-colonial social systems and music in contemporary ritual; sound installations in museums, and co-PIs in “Sounding Amazonia in Museums” project.

Jean-Michel Jarre (musician, composer, Paris): Installation/soundtrack for the photo exhibition “Amazon” with pictures by Sebastiao Salgado, Cité de la musique, Paris; including a CD project to be published on Sony records.

Ernst Halbmayer (anthropologist, Philipps-University Marburg): teaching commitments, habilitation project in cultural anthropology about “Auditory Anthropology”.

Clemens Gütl (anthropologist, Austrian Academy of Sciences): sound installation for the exhibition “Aufbruch in die Ferne”, Niederösterreichische Landessaustellung 2021, Schallaburg.

MEMBERSHIP OF COMMITTEES

Parncutt

- Committee member (Ex-President), European Society for the Cognitive Sciences of Music (ESCOM)

Schiavio

- Vice-president of ESCOM
- Secretary of Society for Interdisciplinary Musicology (SIM)
- Scientific committee member, International Conference of Dalcroze Studies

Brabec de Mori

- Board member of the Austrian Society for Musicology (Österreichische Gesellschaft für Musikwissenschaft)
- Board member at the Pontificia Universidad Católica del Perú, Lima
- Sounding board member for Creative (Mis)understandings, artistic research collaboration Taiwan/Austria (mdw Vienna)
- Sounding board member for Seeking Birdscapes research project at Lucerne University of Applied Sciences; Associate researcher at Lucerne University of Applied Sciences
- Member (steering board member and chair 2009-2019) of the International Council for Traditional Music, Austrian National Committee

MOBILITY

Seither-Preisler

Invitation of cooperation partners Peter Schneider (University of Heidelberg) and Sabrina Turker (Max-Planck-Institute for Cognitive Neuroscience, Leipzig) to Centre for Systematic Musicology in March, June, July, September, October, November and December.

ADMINISTRATION

Parncutt

Selection committee member, professorship in Digital Humanities.

~~ESCOM meeting in Brussels (March)~~

Schiavio & Parncutt

Preparations for a new joint Master's program in Music Cognition in collaboration with Michele Biasutti, University of Padua.

PUBLICATIONS

Monographs

Parncutt, R. (in preparation). *Psychoacoustic foundations of major-minor tonality*.

Parncutt, R. (in preparation). *Music, religion, and the mother schema*.

Van der Schyff, D., **Schiavio, A.**, & Elliott, D. (forthcoming). *Musical minds, musical bodies*. Enactive cognitive science and the meaning of human musicality. MIT Press.

Edited collections

Schiavio, A., Bashwiner, D., & Jung, R. (Eds., in prep.). *What is musical creativity? Interdisciplinary dialogues and approaches*. Frontiers Media.

Schiavio, A., & Moran, N. (Eds., in prep.). *Embodiment in music*. Special Issue of *Journal of Interdisciplinary Music Studies*.

Journal articles

Antonini Philippe, R., **Schiavio, A.**, & Biasutti, M. (2020). Adaptation and destabilization of interpersonal relationship in sport and music during the COVID-19 lockdown. *Heliyon*, 6(10), e05212. doi: 10.1016/j.heliyon.2020.e05212.

Antović*, M., **Schiavio***, A., & Moran, N. (submitted). Grounding creativity in music perception? A model from cognitive linguistics (*both first author).

Biasutti, M., Antonini Philippe, R., & **Schiavio, A.** (in press). Assessing teachers' perspectives on giving music lessons remotely during the COVID-19 lockdown period. *Musicae Scientiae*.

Dukić, H., **Parncutt, R.**, & Bunt, L. (2019). Narrative archetypes in the imagery of clients in Guided Imagery and Music therapy sessions. *Psychology of Music*, 0305735619854122. (omitted from 2019 annual report)

Gesbert, V., Hauw, D., Blauth, D. & **Schiavio, A.** (submitted). Creative togetherness. A joint-methods analysis of artistic performance.

Parncutt, R., & Reisinger, D. (2020). Octave-generalized analysis of chord progressions: Diatonic/fifth relations, missing fundamentals, completion tones. *Journal of New Music Research*, online.

Peñalba, A., Martínez-Álvarez, L., & **Schiavio, A.** (2020). The Active Musical Room: Fostering sensorimotor discoveries and musical creativity in toddlers. *Journal of Research in Music Education*, online first. doi: 10.1177/0022429420953062.

- Rahman, E. & **Brabec de Mori, B.** (2020). Breathing song and smoke: Titual intentionality and the sustenance of an interaffective realm. *Body and Society*, 26(2), 130–157. doi: 10.1177/1357034X19900525.
- Schiavio, A.**, & Benedek, M. (2020). Dimensions of musical creativity. *Frontiers in Neuroscience*, 14: 578932. doi: 10.3389/fnins.2020.578932.
- Schiavio, A.**, Biasutti, M., & Antonini Philippe, R. (submitted). Creative pedagogies in the time of pandemic. A case study with conservatory students.
- Schiavio, A.**, Biasutti, M., van der Schyff, D., & **Parncutt, R.** (2020). A matter of presence: A qualitative study on teaching individual and collective music classes. *Musicae Scientiae*, 24(3), 356–376. doi: 10.1177/1029864918808833.
- Schiavio, A.**, Küssner, M., & Williamon, A. (2020). Music teachers’ perspectives and experiences of ensemble and learning skills. *Frontiers in Psychology*, 11, 291. doi: 10.3389/fpsyg.2020.00291.
- Schiavio, A.**, Maes, P.-J., & van der Schyff, D. (in press). The dynamics of musical participation. *Musicae Scientiae*.
- Schiavio, A.**, Moran, N., van der Schyff, D., Biasutti, M., & **Parncutt, R.** (2020). Processes and experiences of creative cognition in seven Western classical composers. *Musicae Scientiae*, online first. doi: 10.1177/1029864920943931.
- Schiavio, A.**, Ryan, K., Moran, N., van der Schyff, D., & Gallagher, S. (submitted). By myself but not alone. Agency, creativity, and extended musical historicity.
- Schiavio, A.**, Stupacher, J., **Parncutt, R.**, & Timmers, R. (2020). Learning music from each other. Synchronization, turn-taking, or imitation? *Music Perception*, 37(5), 403–422. doi: 10.1525/mp.2020.37.5.403.
- Schiavio, A.**, Stupacher, J., Xypolitaki, E., **Parncutt, R.**, & Timmers, R. (submitted). Drumming together as one. Assessing performance accuracy and coordinated behaviour in musical novices.
- Schneider, P., Benner, J., Engelmann, D., Groß, C., Bernhofs, V., Zeidler, B., Christiner, M., & **Seither-Preisler, A.** (submitted). Neuroplasticity of musical practice and active listening: A 12 years longitudinal study from childhood to adulthood.
- Serrallach, B., Wildermuth, B., Schneider, P., **Seither-Preisler, A.** (submitted). A novel brain-based two-dimensional biomarker for AD(H)D with validness for all ages and high sensitivity (85-100%) and specificity (93-100%). *Lancet*.
- Turker, S., Reiterer, S., **Seither-Preisler, A.** (submitted). Examining individual differences in language learning: A neurocognitive model of language aptitude. *Neurobiology of Language*.

Chapters

- Brabec de Mori, B.** (submitted). Kulturrelativismus und Universalismus. In E. Haldorsson & al. (Eds.), *Psychotherapie. Sozial- und kulturwissenschaftliche Grundbegriffe für Ausbildung und Praxis*. Wien & Bochum.
- Brabec de Mori, B.** (submitted). Ethnozentrismus und Eurozentrismus. In E. Haldorsson & al. (Eds.), *Psychotherapie. Sozial- und kulturwissenschaftliche Grundbegriffe für Ausbildung und Praxis*. Wien & Bochum.
- Brabec de Mori, B.** (in press). How to charge a voice with power? – Transmuting non-human creativity into vocal creations in the Western Amazon. In A. Goletz & E. Halbmayer (Eds.), *Creation and creativity in indigenous lowland South America*. Berghahn.
- Dukić, H.** (accepted). In search of a story: Guided imagery and music therapy. In M. Kussner, L. Taruffi, & G. Floridou (Eds.), *Music and imagery: Towards an interdisciplinary framework for research and applications*.
- Parncutt, R., & Goebel, W.** (submitted). Piano. In G. McPherson (Ed.), *Oxford handbook of music performance* (Vol. 2). Oxford University Press.
- Reiterer, S. M., Kogan, V., **Seither-Preisler, A.**, Pesek, G. (2020). Foreign language learning motivation: Phonetic chill or Latin lover effect? Does sound structure or social stereotyping drive FLL? In K. D. Federmeier & H.-W. Huang (Eds.), *Psychology of learning and motivation - Advances in research and theory* (vol. 72: *Adult and Second Language Learning*, pp. 165-205). Academic. doi: 10.1016/bs.plm.2020.02.003.
- Schaffler, Y. & **Brabec de Mori, B.** (submitted). Rituale. In E. Haldorsson & al. (Eds.), *Psychotherapie. Sozial- und kulturwissenschaftliche Grundbegriffe für Ausbildung und Praxis*. Wien & Bochum.
- Schiavio, A.** (in press). Enhanced learning through joint instrumental music education. In R. Timmers, F. Bailes, & H. Daffern (Eds.), *Together in Music: Participation, coordination, and creativity in ensemble*. Oxford University Press.
- Schiavio, A., & Kimmel, M.** (accepted). The ecological dynamics of musical creativity and skill acquisition. In A. Scarinzi (Ed.), *Meaningful relations: The enactivist making of experiential worlds*. Springer.
- Schiavio, A., & van der Schyff, D.** (submitted). 4E music cognition in theory and practice. In B. Bogunović, R. Timmers, & S. Nikolić (Eds.), *Psychological perspectives on musical skills and experiences. Complementary research in Western Balkan and Western Europe*. Routledge.
- Seither-Preisler, A., Schneider, P.** (in press). Positive Effekte des Musizierens auf Wahrnehmung und Kognition aus neurowissenschaftlicher Perspektive, In G. Bernatzky & G. Kreutz (Eds.), *Musik in der Medizin – Chancen für Prävention, Therapie und Bildung* (375-394). Wien: Springer. doi: 10.1007/978-3-7091-1599-2_24.

Van der Schyff, D., & **Schiavio, A.** (2020). Musical creativity in performance. In G. McPherson (Ed.), *Oxford Handbook of Musical Performance*. Oxford University Press.

Proceedings contributions

Schiavio, A., Gande, A., & Kruse-Weber, S. (2020). The complementarity of interaction and creativity in collective musicking. In A. Sangiorgio, & W. Mastnak (Eds.), *Creative interactions – Dynamic processes in group music activities* (pp. 47-56). University of Music and Performing Arts Munich.

Editorials

Schiavio, A. Nijs, L., van der Schyff, D., & Juntonen, M.-L. (2020). Editorial of the research topic: Towards a meaningful instrumental music education. Methods, perspectives, and challenges. *Frontiers in Psychology*, *11*:625994. doi: 10.3389/fpsyg.2020.625994.

Schiavio, A. & Moran, N. (in press). Editorial. Special issue on embodiment in music, *Journal of Interdisciplinary Music Studies*.

Other

Brabec de Mori, B. (2020). Is Ayahuasca possibly less than five hundred years old? *Chacruna Online*, chacruna.net.

Brabec de Mori, B. (2020). Urgent action needed: COVID-19 pandemic devastating Amazonia. *Chacruna Online*, chacruna.net.

Brabec de Mori, B. (2020). Humankind crowned – Or how I learned to stop worrying and love the virus. *Consciously quarantined: A COVID-19 response from the social sciences*. UCL Medical Anthropology, medanthucl.com.

Parncutt, R. (2019). Grounding the ICMC (International Computer Music Conference). Letter, *Computer Music Journal*, *43* (4), 1-4. (appeared in 2020)

Parncutt, R. (2020). Innovative wissenschaftliche Konferenzkultur: Weniger Emissionen, mehr Inklusion, bessere Dokumentation. *Weiterbildung*, *5/2020*, 34-37.

Parncutt, R. (submitted). *A psychoacoustical investigation of sonority and tonality in music*. Habilitationsschrift zur Erlangung der Lehrbefugnis für das Fach Musikpsychologie an der Alpen-Adria-Universität Klagenfurt.

Parncutt, R., & Seither-Preisler, A. (accepted for publication). Live streaming at international academic conferences: Doing rather than talking. Reply to K. Łuczaj & M. H. Łuczaj (2020). Live streaming at international academic conferences: Cooling down the digital optimism. *Elementa*, *8*, 38.

Seither-Preisler, A., Schneider, P. (2020). Neurobiologie musikalischer Begabung, Entwicklung und Förderung. *Musik-, Tanz- und Kunsttherapie: Zeitschrift für künstlerische Therapien im Bildungs-, Sozial- und Gesundheitswesen*, *1*(30), 46-65.

CONFERENCES

Talks

Brabec de Mori, B. (2020, March). La invención de cultura, invenciones de identidades: canciones tradicionales y contemporáneas entre los Shipibo-Konibo (Perú). Remote talk at meeting of ICTM Study Group on Music and Dance in Latin America and the Caribbean, Tuxtla Gutierrez, Mexico.

~~Brabec de Mori, B. (2020, March). Fighting over discourse: Amazonian indigenous ritual singing and its neo-colonial appropriation. Talk at Sound / Music / Decoloniality: A Research Colloquium, Maynooth/GB.~~

~~Brabec de Mori, B. (2020, April). Sounding indigenous against global ecological crises: A case from the Western Amazon. Talk at Annual Meeting of British Forum for Ethnomusicology, Bath/GB.~~

Brabec de Mori, B. & Schaffler, Y. (2020, July). Sound and the body-mind-environment axionomy: The substrate of intercorporeality. Remote talk at 16th EASA Biennial Conference, Lisboa, Portugal.

Lewy, M., Leclair, M., & Brabec de Mori, B. (2020, March). Ethnomusicologists in ethnographic museums – Mediating, composing, and displaying. Remote round-table at 7th Meeting of the ICTM Study Group on Applied Ethnomusicology, Lucerne.

~~Brabec de Mori, B., Celestini, F., & Parncutt, R. (2020, November). Podium on interdisciplinarity. Roundtable at ÖGMW annual meeting, Graz.~~

~~Brabec de Mori, B., Knoth, I., Lewy, M., Riedel, F., Seither-Preisler, A., Simonett, H., & Stoichita, V. A. (2020, November). Towards identifying what we hear when we listen to birds, to rituals, or to music. Roundtable at ÖGMW annual meeting, Graz.~~

Brabec de Mori, B. (2020, December). Ethnicity Inc., Shamanism Ltd.: Indigenous sound knowledge as a commodity. Virtual talk at Ontologies and Epistemologies of Indigenous Music and Dance. International Conference of the ICTM Study-Group-In-The-Making for Music and Dance in Indigenous and Postcolonial Contexts. Hualien, Taiwan.

Dukić, H., & Parncutt, R. (2020, September). Improvising on a written text: How much meaning can be communicated to listeners, and what kind? Virtual talk at International Conference of Students of Systematic Musicology, York, UK.

Dukić, H., & Parncutt, R. (2020, September). Passive and active imagery evoked by music during GIM sessions. Virtual talk at European Guided Imagery and Music online conference, Aalborg, Denmark.

~~Parncutt, R. (2020, April). The obstetric dilemma and the origin of language. Talk at Evolang Brussels.~~

Parncutt, R. (2020, June). Conference formats to improve sustainability, inclusion, and documentation. Virtual talk at Neuromusic Virtual Gathering.

Parncutt, R. (2020, November). The short future of musicology, and what we can do before it ends. Virtual talk at Musicology and its Future in Times of Crises. Academy of Music, University of Zagreb, Croatia.

Parncutt, R. (2020, November). Tartini's harmonic theory: Fundamental psychological problems. Virtual talk at In search of perfect harmony: Giuseppi Tartini's music and music theory in local and European contexts. University of Ljubljana, Slovenia.

~~Parncutt, R. (2020, November). Mother schema and the proximal stimulus: Why we attend to music, why melodies comprise tones, why rhythmic patterns are repeated. Talk at ÖGMw (Austrian Society for Musicology).~~

Posters

Dukić, H., Bjedov, S., Jakovljević, I., & Jakovljević, M. (2020, June). Music and psychological resilience in the process of healthy ageing. Virtual poster at Better Future for Healthy Ageing.

~~Parncutt, R. (2020, June). The carer infant relationship and the origin of human behavioral modernity. Poster at Neuroscience and Music, Aarhus, Denmark.~~

~~Schiavio, A., Stupacher, J., Parncutt, R. & Timmers, R. (2020, June) Individual and collective technology aided musical learning: Comparing synchronization, turn taking, and imitation. Poster at Neurosciences and Music, Aarhus, Denmark.~~

~~Seither Preisler, A. (2020 June). Behavioral and neurological benefits of musical training on children and adolescents with AD(H)D and dyslexia. Poster at Neurosciences and Music, Aarhus, Denmark.~~

~~Schneider, P., Benner, J., Engelmann D., Bernhofs, V., Gross, C., Serrallach, B., Turker, S., Reiterer, S., Seither Preisler, A. (2020, June). Effects of musical training on the morphology and network plasticity of the auditory brain in children and adolescents with either typical development, AD(H)D or dyslexia. Poster at Neurosciences and Music, Aarhus, Denmark.~~

Symposium

~~Schlaug, G., Schneider, P., Seither Preisler, A., Altenmüller, E., James, C., Gold, C., Specht, K., Sharda, M. (2020, June). Symposium "The impact of long term music intervention on behavior and brain plasticity over the lifespan", Neurosciences and Music, Aarhus, Denmark.~~

Organization

Parncutt

Contribution to organization of Audio Mostly, University of Music and Performing Arts, Graz, Austria, 15-17 September.

Brabec

~~Organiser of Hinhören, Zuhören, Weghören / Listening, Focusing, Ignoring. Annual Meeting of Austrian Society for Musicology (ÖGMw), 26-28 November (with Seither-Preisler and Parncutt).~~

Co-organizer und program committee: Ontologies and Epistemologies of Indigenous Music and Dance. *International Conference of the ICTM Study-Group-In-The-Making for Music and Dance in Indigenous and Postcolonial Contexts*. Semi-remote international conference, Hualien, Taiwan, 30 November–3 December.

INVITED TALKS AT EDUCATIONAL INSTITUTIONS

~~Brabec de Mori, B. (2020, March). Guided tour for blind and visually impaired people, Exhibition and sound installation *Weltensammler* at the ethnological museum Grassi, Leipzig, Germany.~~

~~Brabec de Mori, B. (2020, March). Performance lecture at the closing event, Exhibition and sound installation *Weltensammler* at the ethnological museum Grassi, Leipzig, Germany.~~

Brabec de Mori, B. (2020, March). *Kognition und Embodiment in den Musikwissenschaften*. Workshop, University of Applied Sciences and Arts – Music, Lucerne.

Brabec de Mori, B. (2020, June). *Inquiring into the Roles of Listening in the Prehistory of Song and Speech*. ArtSoundScapes ERC project seminar series, University of Barcelona.

Brabec de Mori, B. (2020, August). *How to Get Down to Earth? Indigenous Knowledge, Power, and the Uncanny*. Performance Lecture at Berliner Festspiele in the project “Down to Earth”, Gropiusbau, Berlin.

Brabec de Mori, B. & Stoichita, V. A. (2020, August). *Postures of Listening and the Modelling of Voice*. The Singing Voice Research Group, Queen Mary, University of London.

Parncutt, R. (2020, January). *A psychological approach to musical expression*. Zagreb Academic of Music (invited by Sanja Kiš Žuvela).

Parncutt, R. (2020, January). *Missing fundamentals of music theory*. Zagreb Academic of Music (invited by Sanja Kiš Žuvela).

Parncutt, R. (2020, January). *Bye Bye Pythagoras*. Institut für Komposition, Musiktheorie, Musikgeschichte und Dirigieren, Kunstuniversität Graz (invited by Christian Utz).

- Parncutt, R. (2020, February). *Klimawandel und Menschenrechte: Das Recht auf Leben*. Naturschutzbund Steiermark (invited by Johannes Gepp).
- ~~Parncutt, R. (2020, March). *The human cost of climate change: Estimating long-term mortality*. Institut für Völkerrecht und Internationale Beziehungen, Uni Graz (invited by Yvonne Karimi Schmidt).~~
- ~~Parncutt, R. (2020, April). *Psychological foundations of Western tonal music. Empirical, systematic interdisciplinary musicology*. Kyiv National Music Academy, Ukraine (invited by Iryna Tukova).~~
- ~~Parncutt, R. (2020, April). *The mother schema and the origin of music, language, and religion*. Kyiv National Music Academy, Ukraine (invited by Iryna Tukova).~~
- ~~Parncutt, R. (2020, April). *Empirical, systematic interdisciplinary musicology. The mother schema and the origin of music, language, and religion*. Lviv National Music Academy, Ukraine (invited by Liubov Kyianovska).~~
- Parncutt, R. (2020, June). *Virtual and semi-virtual conference options to improve environmental sustainability, social inclusion, and electronic documentation*. Virtual presentation at Centre for Interdisciplinary Research in Music Media and Technology (CIRMMT), McGill University, Montreal (virtual interact@CIRMMT session on “Organization and challenges of virtual conferences” invited by Caroline Traube).
- Parncutt, R. (2020, September). *Accents and expression in music performance*. Faculté de Musique, Université de Montréal (virtual talk, invited by François de Médicis).
- ~~Parncutt, R. (2020, November). *Research presentations at Faculty of Music, University of Arts in Belgrade*, as part of planned sabbatical visit (invited by Blanka Bogunović).~~
- ~~Parncutt, R. (2020, December). *Research presentations at Università degli Studi di Cagliari, Dipartimento di Pedagogia, Psicologia, Filosofia* as part of sabbatical visit (invited by Elisabetta Piras).~~
- Schiavio, A. (2020, May). *The musical moment. Embodiment, creativity, and intersubjectivity*. Department of Cognitive Sciences, University of Messina, Italy (virtual talk invited by Prof. Francesco Parisi).
- Seither-Preisler, A., Schneider, P. (2020, June). *Effect of music-making on structure, function and maturation of auditory cortex in typically developing children and children with AD(H)D and dyslexia*. Austrian Academy of Sciences (ÖAW), Auditory Research Institute (ARI), Vienna (invited by Bernd Laback and Martin Lindenbeck).
- Seither-Preisler, A., Schneider, P. (2020, September). *Neuro-auditory profiles in children, adolescents and adults with and with no musical experience*. Oberton.org, Dürrwangen-Hirschbach, Seminar “Sound Perception and Vocal Performance” (invited by Wolfgang Saus).

TEACHING

Summer 2020

Parncutt

- Psychoacoustics and Music Cognition (BA)
- Empirical Music Psychology (BA)
- Current Musicology (BA & MA)
- Research Supervision (BA & MA)
- Literature Study

Seither-Preisler

- Introduction to the Psychology of Music (BA)
- Data Analysis in Music Psychology (BA)

Winter 2020-21

Parncutt (sabbatical semester)

- Current Musicology (BA & MA)
- Research Supervision (BA and MA)
- Literature Study

Seither-Preisler

- Seminar in Music Psychology (BA)
- Seminar in Music and Neurosciences (MA)

Schiavio

- Psychology of Music Education (University of Music and Performing Arts Graz)

Brabec

- Introduction to Systematic Musicology (BA)
- Micro-phenomenology for musicologists, methods workshop (BA, MA, PhD, University of Vienna)
- Possession: medical anthropological perspectives on dissociation and incorporation (BA, MA, Phillips-University Marburg)

DOCTORAL SUPERVISION

Parncutt

1st supervisor: Helena Dukić, Sabrina Sattmann, Valentina Jerenec-Šmigoc, Bettina Zeidler.

2nd supervisor: Adrian Kempf, Siavosh Banishemi (“Musical sound and its components”; 1st supervisor: Wilfried Kausel, University of Music and Performing Arts Vienna).

Seither-Preisler

2nd supervisor: Sabrina Sattmann, Bettina Zeidler.

Schiavio

1st supervisor: Adrian Kempf.

2nd supervisor: Caroline Curwen (University of Sheffield), “Music-color synesthesia”.

Brabec de Mori

2nd supervisor: Ta-Hsin Kuo, University of Vienna, “Nostalgia and revival of Bolero music: Seeking the soul of Vietnam”.

MEDIA CONTRIBUTIONS

- Brabec de Mori, B. (2020, January). Interview for the documentary movie “Transindigenous Assembly”, directed by Joulia Strauss, Immersion, Berlin.
- Brabec de Mori, B. (2020, September). “Ayahuasca singing, indigenous knowledge, and decolonization”, in conversation with Dr. Bia Labate, chacruna.net.
- Parncutt, R. (2020, January). “Two world-class lectures from an eminent academic in the psychology of music”, Time Out, Croatia.
- Seither-Preisler, A. (2020, March). “Klüger durch Musizieren?” by Eva Wolfangel, *Spektrum Kompakt - Die Vermessung der Intelligenz* (pp. 24-33).
- Schneider, P., & Seither-Preisler, A. (2020, May). “Die Wahrheit über... die Wirkung von Musik” (28:50-33:27). Radio Berlin Brandenburg, rbb-online.
- Seither-Preisler, A. (2020, September). “Macht Musikunterricht schlauer?” by Klaus Höfler, *Kleine Zeitung* (Steiermark und Kärnten).
- Seither-Preisler, A. (2020, December). Online panel discussion with Austrian educational politicians and performing artists: “Künstlerische Bildung”, Kunstuniversität Graz (<https://youtu.be/Oj5oL47K3-k>).

SCIENCE TO PUBLIC

Parncutt

Co-organization of semi-virtual choral festival “Voices for Future” planned for 2021, inspired by the existing Graz festival “Voices of Spirit” and the semi-virtual academic conference ICMPC15/ESCOM10, in collaboration with Chorverband Steiermark (Alfred Hudin, Franz Herzog, Leonhard Stampler) including grant applications to European Cultural Foundation (Culture of Solidarity Fund) and Land Steiermark.

SPOKEN PRESENTATIONS AT THE CENTRE

Brabec de Mori, B. (2020, November). Microphenomenology and systematic musicology: Exploring musical experience, consciousness, and intentionality.

Cui, A. X. (2020, November). Top-down influences in interval perception and the perception of musical hierarchies.

Dukic, H. (2020, December). Influence of maternal emotions on fetal sound perception.

Hergert, F. (2020, October). Pitch salience of resultant organ stops: Evidence for virtual pitch below the human voice range.

Jereneć, V. (2020, December). The audience's influence on a performer in a live music performance.

Jereneć, V. (2020, March). Recognizing emotion in speech: Musicians are not better.

Kempf, A. (2020, June). New perspectives on the role of the embodied beat in music.

Kempf, A. (2020, November). Does moving together to the beat affect musical creativity?

Lindenbeck, M. (2020, May). Stream segregation in acoustic and electric hearing: Pitch and rhythm cues.

Lumaca, M. (2020, November). Individual differences in interhemispheric connectivity and the origins of music diversity.

Michalko, A. (2020, April). Overriding musical enculturation with embodied learning.

Parncutt, R. (2020, April). Music, memory, identity, nostalgia: Indirect evidence for prenatal origins.

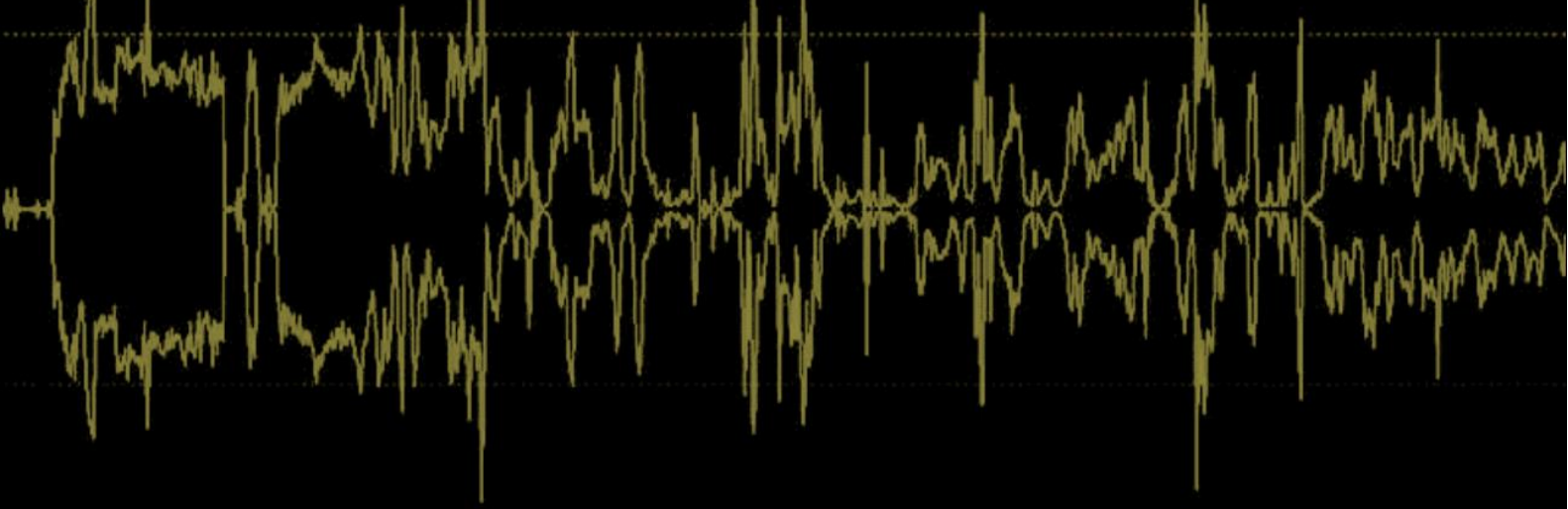
Popescu, T. (2020, October). Tension-mediated formation of affective meaning in songs.

Schiavio, A. (2020, March). Together in music: Overview of FWF project.

Schneider, P. & Seither-Preisler, A. (2020, May). Effects of musical experience on morphology and network plasticity of the auditory brain in children and adolescents.

Ziv, N. (2020, October). Pro-peace or anti-war: The effect of emotions primed by protest songs on emotions toward ingroup and outgroup in conflict.

Žuvela, S. K. (2020, March). The perceived degree of bitonality of a musical passage: Empirical data and a model.



Richard
Parncutt



Andrea
Schiavio



Annemarie
Seither-Preisler



Bernd
Brabec de Mori



Peter
Schneider



Adrian
Kempf



Anita
Taschler



Bettina
Zeidler



Sabrina
Sattmann



Valentina
Jerenc-
Šmigoc



Lukas
Kummer



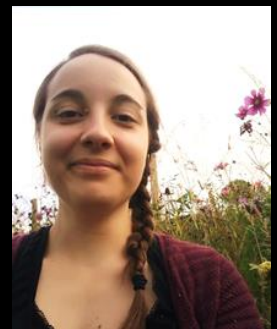
Lazar
Radovanovic



Theresa
Schallmoser



Noemi
Silvestri



Evelyn
Zimmel