

CENTRE FOR SYSTEMATIC MUSICOLOGY

The how and why of music



ANNUAL REPORT 2013/2014

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CENTRE FOR SYSTEMATIC MUSICOLOGY

ANNUAL REPORT 2013/14

1 October 2013 – 31 December 2014

HIGHLIGHTS

The main highlight of the previous 15 months was the appointment of psychologist Annemarie Seither-Preisler to our lecturer position in May 2014. We are lucky to have been able to attract an outstanding researcher with international reputation and experience. In the following months, she completed and published a major study (with Peter Schneider, Heidelberg) in the *Journal of Neuroscience* on the positive effects of musical practice on children with dyslexia and ADHD. The findings were discussed in numerable media reports and in her presentation to TEDx Graz on 12 November 2014. Seither-Preisler also co-edited the book “*Der musikalische Mensch: Evolution, Biologie und Pädagogik musikalischer Begabung*” (Hildesheim: OLMS; co-editor Wilfried Gruhn), which appeared in 2014.

Seither-Preisler replaced Bernd Brabec de Mori on expiry of his four-year contract in April 2014. Brabec’s contribution to the centre has been enormous in terms of research output, innovative teaching, and support for other centre members. In recognition of his doctoral thesis, the University of Göttingen trust (Stiftung) awarded him the “Dr.-Walther-Liebehenz-Prize for outstanding contributions to cultural musicology/ethnomusicology”. We wish him well in his new position at the Department of Ethnomusicology, University of Music and Performing Arts, Graz (KUG).

Brabec and Martin Winter organised a conference entitled “Auditory Knowledge Cultures” (Auditive Wissenskulturen) on 18-21 June 2014 at KUG that brought together the contrasting

epistemologies of ethnomusicology, sociology, cultural studies and philosophy. Mainly international speakers addressed fundamental issues of music perception, reception and interpretation.

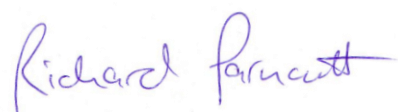
Erica Bisesi continued her FWF-funded research on expression and emotion in (piano) music. In January 2014, she presented a lecture-recital "Music and Emotion" in Meerscheinschlössl, University of Graz, with pianist-researcher collaborator Jennifer MacRitchie (Conservatorio della Svizzera Italiana). In February she performed as a piano soloist and with Sabrina Sattmann (flute) at Klavierhaus Streif in Graz. In March-April, she gave lectures and lecture-recitals at the University of Tel Aviv and the Hebrew University and Van Leer Institute in Jerusalem. In October she was awarded a fellowship to study music theory by Gruppo Analisi e Teoria Musicale, Italy. In November 2014 she performed the "Concerto per galassie e pianoforte: Viaggio dal big bang all'origine della vita" at Teatro Miela in Trieste, with astrophysicist Massimo Ramella. Beyond a string of other presentations and publications, she started new collaborations with colleagues in Graz, Stockholm, Montreal, Bologna, Como, and Yerevan. She was assisted in her research by FWF-funded student assistants Marlies Bodinger and Florian Eckl.

Tatevik Shakhkulyan, from Komitas State Conservatory in Yerevan and the National Academy of Sciences of Armenia, has been a postdoctoral guest researcher at the centre since September 2014. She is researching the structure and perception of traditional Armenian music, and her approach combines traditional music theory, analysis and history with computer-based analyses of a music database. We congratulate her on the publication of her book entitled (in Armenian) "Komitas: His Early Creative Period" in 2014.

In August, student assistant Sabrina Sattmann was upgraded to a project assistant funded by the University of Graz ("Initiative Forschung"). In October, we welcomed two new student assistants, Daniel Reisinger and Valentin Grbic. We are grateful to our previous student assistants Andreas Fuchs and Andreas Gaich for their many contributions to our research.

Two other centre members were externally funded. Hande Sağlam became a member of the centre on 1 October 2013 in a project entitled "Music, Religion and Integration" funded by Land Steiermark. Stefan Reichmann joined us from March to August 2014 for a qualitative evaluation of a sonification platform for climate data, funded by FWF.

Another highlight was the evaluation of the centre by the University of Graz's Performance and Quality Management unit. On 15-16 May, we were visited by Alan Marsden (UK) and Jukka Louhivuori (Finland). In their report, they praised the academic performance and collegiality of the unit and recommended that we focus more strongly on music psychology in the future.



STAFF DURING 2013/2014

Director

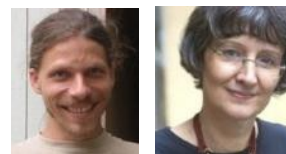
Richard Parncutt



Lecturers

Bernd Brabec de Mori (until April 2014)

Annemarie Seither-Preisler (from May 2014)



FWF Postdoc Researcher

Erica Bisesi



Student Assistants

Andreas Gaich

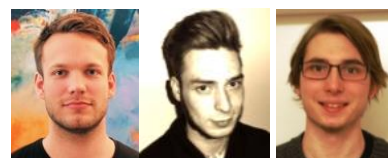
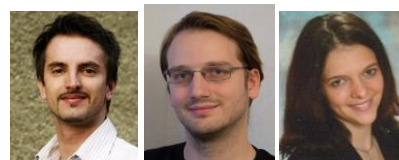
Andreas Fuchs

Marlies Bodinger (FWF)

Florian Eckl (FWF)

Valentin Grbic

Daniel Reisinger



Project assistants

Sabrina Sattmann (Pitch perception in musical sounds)

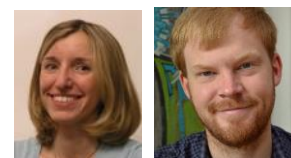
Hande Sağlam (Music, religion, integration)



Guest Lecturers

Manuela Marin (University of Vienna)

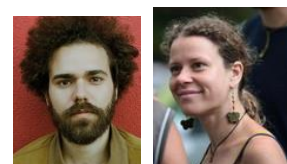
Martin Winter



Doctoral students

Karim Weth (University of Salzburg)

Zuzana Cenkerová (Comenius University, Bratislava)



Secretary

Michaela Schwarz



Advisory board

Andreas Dorschel, Department of Music Aesthetics, University of Music and Performing Arts Graz

Gerhard Eckel, Department of Electronic Music and Acoustics, Univ. of Music and Performing Arts Graz

RESEARCH PARTNERS AND COLLABORATIONS

Richard Parncutt

- Anders Friberg (Speech, Music and Hearing, KTH Stockholm)
- Ali Cenk Gedik (Department of Musicology Dokuz Eylul U, İzmir)
- Gerd Grupe (Department of Ethnomusicology, U Music and Performing Arts, Graz)
- Graham Hair (Department of Contemporary Arts, Manchester Metropolitan U)
- Susan Hallam (Institute of Education, U London)
- Martina Koegeler-Abdi (Dept. of English, Germanic and Romance studies, U Copenhagen)
- Silke Kruse-Weber (Dept of Music Education, U Music and Performing Arts, Graz)
- Craig Sapp (Department of Music, Stanford University)
- Peter Sedlmayr (Institute of Cell Biology, Histology and Embryology, Medical U Graz)
- William Forde Thompson (Department of Psychology, Macquarie U, Sydney)
- Kathi Vogt, Visda Goudarzi (Dept Electronic Music, U Music Performing Arts, Graz)

Bernd Brabec de Mori

- Estelle Amy de la Breteque (INET-MD Universidade de Lisboa)
- Miguel A. García (Universidad de Buenos Aires, Facultad de Filosofía)
- Matthias Lewy (Departamento de música, Universidade de Brasilia)
- Sandra Cruz Rivera (Universidad Nacional Autónoma de México, Antropología)
- Hein Schoer (Maastricht University, Sound Studies)
- Victor A. Stoichiță (Centre de Recherche en ethnomusicologie, CNRS, Paris)

Annemarie Seither-Preisler

- Monika Brunner (Ear, Nose and Throat Clinic, University Hospital Heidelberg)
- Wilfried Gruhn (Academy of Music, Freiburg)
- Manuela Paechter (Department of Educational Psychology, University of Graz)
- Susanne Reiterer (Center for Language Learning and Teaching Research, Univ. Vienna)
- Peter Schneider (Department of Neurology, University Hospital Heidelberg)

Erica Bisesi

- Mario Baroni (Istituto Liszt and University of Bologna)
- Sylvain Caron (University of Montréal)
- Anders Friberg (KTH Stockholm)
- Antonio Grande (Conservatorio di Como)
- Dieter Kleinrath and Christian Utz (KUG, Graz)
- Jennifer MacRitchie (Conservatorio della Svizzera Italiana; University of Western Sydney)
- Tatevik Shakhkulyan (Komitas State Conservatory in Yerevan)
- Caroline Traube (BRAMS, Montréal)
- Andreas Woyke (Piano, University for Music and Performing Arts Graz)

RESEARCH GRANTS

Bisesi, Erica. *Expression, Emotion and Imagery in Music Performance.* 1 March 2012 – 28 February 2015. k€ 260 (FWF)

Brabec, Bernd; Winter, Martin. *Konferenz: Auditive Wissenskulturen. Das Wissen klanglicher Praxis.* 1 October 2013 – 30 June 2014. k€ 10 (KFU, KUG, Land Steiermark)

Grupe, Gerd; **Parncutt, Richard.** *Musik, Religion, Integration: MuslimInnen in der Steiermark.* 1 October 2013 – 31 March 2015. k€ 42 (Land Steiermark)

Höldrich, Robert; Vogt, Katharina; Goudarzi, Visda; Steiner, Andrea; Kirchengast, Gottfried; **Parncutt, Richard.** *SysSon, A systematic procedure to develop sonifications.* 1 March 2012 – 28 February 2015. k€ 201 (FWF)

Schneider, Peter; **Seither-Preisler, Annemarie.** *AMseL: Audio- and neuroplasticity of musical learning.* 1 April 2009 – 31 October 2015. >k€ 1500 (German BMBF)

CONFERENCE ORGANIZATION

Brabec, Bernd; Winter, Martin: *Auditive Wissenskulturen. Das Wissen klanglicher Praxis,* University of Graz, University of Music and Performing Arts, Graz, 18 – 21 June 2014.

PUBLICATIONS

Journal Articles

Brabec de Mori, Bernd (2013). Shipibo laughing songs and the transformative faculty: Performing or becoming the other. *Ethnomusicology Forum* 22 (3), 343–361. doi:10.1080/17411912.2013.844528

Brabec de Mori, Bernd (2013). La transformación de la medicina Shipibo-Konibo. Conceptos etno-médicos en la representación de un pueblo indígena. *Estudios del Hombre*, 30, 203–243.

Brabec de Mori, Bernd; Seeger, Anthony (2013). Introduction: Considering music, humans, and non-humans. *Ethnomusicology Forum* 22 (3), 269–286.

Kruse-Weber, Silke; **Parncutt, Richard** (2014). Error management for musicians: An interdisciplinary conceptual framework. *Frontiers in Psychology*, 5, 777. doi:10.3389/fpsyg.2014.00777

Parncutt, Richard (2014). Thinking outside the box: A tribute to Ernst Terhardt on his 80th birthday. *Zeitschrift für Audiologie* 53 (4), 166–169.

Parncutt, Richard (2014). The emotional connotations of major versus minor tonality: One or more origins? *Musicae Scientiae*, 18, 324-353. doi:10.1177/1029864914542842

Parncutt, Richard (2013). Major-minor tonality, Schenkerian prolongation, and emotion: A commentary on Huron and Davis. *Empirical Musicology Review*, 7, 118–137. doi: 10.1177/1029864914542842

Seither-Preisler, Annemarie; Parncutt, Richard; Schneider, Peter (2014). Bilateral synchronization of auditory cortex promotes musical and attentional skills in children. *Journal of Neuroscience*, 34 (33), 10937-10949. doi:10.1523/JNEUROSCI.5315-13.2014

Edited Books

Brabec de Mori, Bernd (Ed., 2013). *The human and non-human in lowland South American indigenous music* [Special issue]. *Ethnomusicology Forum*, 22 (3).

Gruhn, Wilfried; **Seither-Preisler, Annemarie** (2014). *Der musikalische Mensch: Evolution, Biologie und Pädagogik musikalischer Begabung*. Hildesheim: OLMS.

Kögeler-Abdi, Martina; **Parncutt, Richard** (Eds., 2013). *Interculturality: Practice meets research*. Newcastle upon Tyne: Cambridge Scholars Publishing.

Thompson, William Forde (Ed., 2014; Assoc. Eds: Lamont, Alexandra; **Parncutt, Richard;** Russo, Frank A.). *Music in the social and behavioral sciences: An encyclopedia*. Los Angeles: Sage.

Contributions to Edited Books

Brabec de Mori, Bernd (2013). A medium of magical power: How to do things with voices in the Western Amazon. In D. Zakharine & N. Meise (Eds.), *Electrified voices. Medial, socio-historical and cultural aspects of voice transfer* (pp. 379–401). Göttingen: Vandenhoeck und Ruprecht Unipress.

Brabec de Mori, Bernd (2013). Religion=Medizin. Lebenswirklichkeiten in Westamazonien am Beispiel musikalischer Transzendenz. In V. Futterknecht, M. Noseck-Licul & M. Kremser (Eds.), *Heilung in den Religionen: Religiöse, spirituelle und leibliche Dimensionen* (pp. 167–194). Wien: Lit-Verlag

Brabec de Mori, Bernd (2014). Rituals. In W. F. Thompson (Ed.), *Music in the social and behavioral sciences: An encyclopedia*, 15 (pp. 966–970). Los Angeles: Sage.
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Brabec de Mori, Bernd (2014). Anthropology. In W. F. Thompson (Ed.), *The sage encyclopedia of music in the social sciences*, 1 (pp. 48–55). Los Angeles: Sage. doi: <http://dx.doi.org/10.4135/9781452283012.n17>

Howard, David; **Parncutt, Richard** (2014). Tuning systems. In W. F. Thompson (Ed.), *Music in the social and behavioral sciences: An encyclopedia* (pp. 1152-1154). Los Angeles: Sage. doi: <http://dx.doi.org/10.4135/9781452283012>

Pearl, Jonathan G. S.; **Parncutt, Richard** (2014). Empirical musicology. In W. F. Thompson (Ed.), *Music in the social and behavioral sciences: An encyclopedia* (pp. 393-394). Los Angeles: Sage. doi: <http://dx.doi.org/10.4135/9781452283012>

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Parncutt, Richard (2014). Fingering. In W. F. Thompson (Ed.), *Music in the social and behavioral sciences: An encyclopedia* (pp. 482–485). Los Angeles: Sage. doi:
<http://dx.doi.org/10.4135/9781452283012.n161>

Sağlam, Hande (2013). Musik als Fremdsprache. Bi-Musikalität als interkulturelle Musikvermittlungsmöglichkeit. In B. Sammler und D. Weberberger (Eds.), *Kulturen.Vermitteln.Musik - Interkultur und Integration als Querschnittsthemen der Musikvermittlung* (pp. 7 – 12). Wien: Plattform Musikvermittlung Österreich.

Schneider, Peter; **Seither-Preisler, Annemarie** (2013). AMseL: Audio- und Neuroplastizität des musikalischen Lernens. In U. Kranefeld (Ed.), *Empirische Bildungsforschung zu Jedem Kind ein Instrument* (pp. 14-16). Bielefeld: Bundesministerium für Bildung und Forschung.

Seither-Preisler, Annemarie; Schneider, Peter (2013). Transfereffekte von Musizieren auf auditive Wahrnehmung, Aufmerksamkeit und den Lese-Rechtschreibbereich. In U. Kranefeld (Ed.), *Empirische Bildungsforschung zu Jedem Kind ein Instrument* (pp. 59-61). Bielefeld: Bundesministerium für Bildung und Forschung.

Seither-Preisler, Annemarie; Schneider, Peter (2014). Neurokognitive Aspekte musikalischer Begabung. In W. Gruhn & A. Seither-Preisler (Eds.), *Der musikalische Mensch: Evolution, Biologie und Pädagogik musikalischer Begabung* (pp. 329–356). Hildesheim: OLMS-Verlag.

Stover, Chris; **Parncutt, Richard** (2014). Intonation. In W. F. Thompson (Ed.), *Music in the social and behavioral sciences: An encyclopedia* (638-643). Los Angeles: Sage. doi:
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Stover, Chris; **Parncutt, Richard** (2014). Fourier analysis. In W. F. Thompson (Ed.), *Music in the social and behavioral sciences: An encyclopedia* (pp. 490-493). Los Angeles: Sage. doi:
<http://dx.doi.org/10.4135/9781452283012>

Winter, Martin (2013). So, what kind of music do you like? An intersectional theory of genres as boundary-work in the social field of music. In C. Lessiak, T. Neuhold, S. Sackl & M. Sharif (Eds.), *Umfang, Methoden und Ziele der Musikwissenschaften* (pp. 190–208). Wien, Berlin: Lit-Verlag.

Book Reviews

Brabec de Mori, Bernd (2013). Review of the book *Burst of breath. Indigenous ritual wind instruments in lowland South America* edited by J. D. Hill & J.-P. Chaumeil. *Latin American Music Review*, 34 (2), 286–288.

Brabec de Mori, Bernd (2013). Review of the book *Jazz. Cosmopolitanism in Accra. Five musical years in Ghana* edited by S. Feld. *El oído pensante*, 1 (2), 1–4.

Weth, Karim; Parncutt, Richard (2013). Review of the book *Handbook of music and emotion: Theory, research, application* edited by P. Juslin & J. Sloboda. *Psychology of Music*, 41 (4), 522–527.

CONFERENCES

Keynotes

Parncutt, Richard (2014, June 17). *Interdisciplinary interactions between sciences and humanities in music research*. Keynote presented at Audio Communication Day, Audiokommunikation, TU Berlin, Berlin, Germany.

Seither-Preisler, Annemarie; Schneider, Peter (2014, July 1). *Musical ability and music learning from a neuro-cognitive perspective: results from attendant research investigating German school children*. Keynote presented at Language Learning, Music and the Brain, Vienna, Austria.

Proceedings Contributions

Bisesi, Erica; Eckl, Florian Julius; Parncutt, Richard (2013). What emotions and free associations characterize different musical styles? Paper presented at 3rd International Conference on Music and Emotion, Jyväskylä, Finland, 11-15 June. In G. Luck & O. Brabant (Eds.), *Proceedings of ICME3* (pp. 148–158). Finland: Department of Music, University of Jyväskylä.

Bisesi, Erica; MacRitchie, Jennifer; Parncutt, Richard (2013). Structural communication in piano duos: Musical compatibility and individual differences in interpretation. Paper presented at International Symposium on Performance Science, Vienna, Austria, 28-31 August. In A. Williamon & W. Goebel (Eds.), *Proceedings of ISPS* (pp. 263–268). Brussels, Belgium: European Association of Conservatoires.

Bisesi, Erica; Parncutt, Richard; Caron, Sylvain; Traube, Caroline (2014). The immanent emotion of a musical score: An exploratory study. Paper presented at 13th International Conference of Music Perception and Cognition and 5th Conference of the Asia-Pacific Society for the Cognitive Sciences of Music Psychology, Seoul, South Korea, 4-8 August. In Moo Kyoung Song (Ed.), *Proceedings of ICMPC13 - APSCOM-5* (pp. 124–126). South Korea: College of Music, Yonsei University.

Bodinger, Marlies; **Bisesi, Erica; Parncutt, Richard** (2014). Listeners' informal vocabulary for structure, expression, emotions and associations in piano music. Paper presented at 13th International Conference of Music Perception and Cognition and the 5th Conference of the Asia-Pacific Society for the Cognitive Sciences of Music Psychology, Seoul, South Korea, 4-8 August. In Moo Kyoung Song (Ed.), *Proceedings of ICMPC13 - APSCOM-5* (pp. 76–79). South Korea: College of Music, Yonsei University.

Eckl, Florian Julius; Bisesi, Erica; Friberg, Anders; Parncutt, Richard (2014). A computational model of immanent accent salience in tonal music: Perceptual evaluation. Paper presented at the 13th International Conference of Music Perception and Cognition and 5th Conference of the Asia-Pacific Society for the Cognitive Sciences of Music Psychology, Seoul, South Korea, 4-8 August. In Moo Kyoung Song (Ed.), *Proceedings of ICMPC13 - APSCOM-5* (pp. 248–250). South Korea: College of Music, Yonsei University.

Kruse-Weber, Silke; **Parncutt, Richard** (2013). Error tolerance and error prevention in music performance: Risk versus error management. Paper presented at International Symposium on Performance Science, Vienna, Austria, 28-31 August. In A. Williamon & W. Goebel (Eds.), *Proceedings of ISPS* (pp. 27–32). Brussels, Belgium: European Association of Conservatoires.

Parncutt, Richard (2013). Piano touch, timbre, ecological psychology, and cross-modal interference. Paper presented at International Symposium on Performance Science, Vienna, Austria, 28-31 August. In A. Williamon & W. Goebel (Eds.), *Proceedings of ISPS* (pp. 763–768). Brussels, Belgium: European Association of Conservatoires.

Parncutt, Richard; Bisesi, Erica; Friberg, Anders (2013). A preliminary computational model of immanent accent salience in tonal music. Paper presented at Stockholm Music Acoustics Conference and Sound and Music Computing Conference, Stockholm, Sweden, 30 July-3 August. In R. Bresin (Ed.), *Proceedings of SMC* (pp. 335–340). Stockholm: KTH.

Parncutt, Richard; Hair, Graham (2013). Intervals as distances, not ratios: Evidence from tuning and intonation. Paper presented at International Symposium on Performance Science, Vienna, Austria, 28-31 August. In A. Williamon & W. Goebel (Eds.), *Proceedings of ISPS* (p. 593). Brussels, Belgium: European Association of Conservatoires.

Sağlam, Hande (2013). Musik als Fremdsprache: Bi-Musikalität als interkulturelle Musikvermittlungsmöglichkeit. Paper presented at Kulturen.Vermitteln.Musik, Linz, Austria, 21-22 June. In B. Sammler & D. Weberberger (Eds.), *Kulturen.Vermitteln.Musik - Interkultur und Integration als Querschnittsthemen der Musikvermittlung* (pp. 7–12). Vienna: Plattform Musikvermittlung Österreich.

Vogt, Katharina; Goudarzi, Visda; Parncutt, Richard (2013). Empirical aesthetic evaluation of sonifications. Paper presented at 19th International Conference on Auditory Display, Łódź, Poland, 6-10 July. In P. Strumillo, M. Bujacz, & M. Popielata (Eds.), *Proceedings of ICAD-'13* (pp. 175–179). Łódź: Łódź University of Technology Press.

Weth, Karim; Kicking, Max; Parncutt, Richard (2013). Ambivalent emotions in music: We like sad music when it makes us happy. Paper presented at 3rd International Conference on Music and Emotion, Jyväskylä, Finland, 11-15 June. In G. Luck & O. Brabant (Eds.), *Proceedings of 3rd ICME* (pp. 467–473). Finland: Department of Music, University of Jyväskylä.

Spoken Presentations

Bisesi, Erica (2014, May 23-24). *Exploring piano styles in a cognitive approach to harmony*. Paper presented at Seminario di Teoria e Analisi Musicale, Latina, Italy.

Bisesi, Erica (2014, June 27 – July 3). *Sketching the trajectories from Schubert and Liszt to expressionism in an emotion-based approach to music analysis*. Paper presented at 6th World Piano Conference, Novi Sad, Serbia.

Bisesi, Erica; Parncutt, Richard (2014, June 19). *Wanderung, Verwandlung und Verklärung*. Lecture-recital presented at Auditive Wissenskulturen: Das Wissen klanglicher Praxis, Graz, Austria.

Brabec de Mori, Bernd (2014, March 21). *Musikalisches Heilen: Das Problem der Effizienz – Anthropologische Perspektiven auf Musiktherapie*. Paper presented at Interkulturelle Phänomene: Aktive und Rezeptive Musiktherapie: Vorbereitungsworkshop zum Musiktherapie-Weltkongress, Gramath, Austria.

Brabec de Mori, Bernd (2013, November 17). *Unter fremden Freunden: Feldforschung ohne zu forschen im peruanischen Amazonas*. Paper presented at Jahrestagung der AGEM (Arbeitsgemeinschaft Ethnomedizin), St. Augustin bei Bonn, Germany.

Brabec de Mori, Bernd (2013, November 23). *Formalisierung und die Konstruktion von Historizität - Musikausübung aus dem Blickwinkel anthropologischer Ritualtheorien*. Paper presented at ÖGMW, Musikhistoriographie(n), Vienna, Austria.

Parncutt, Richard (2014, March 3). *A comparative evaluation of current theories of the origin of music*. Paper presented at International School on Systematic Musicology and Sound and Music Computing, Genova, Italy.

Parncutt, Richard; Fuchs, Andreas; Gaich, Andreas Erwin; Kaiser, Fabio (2014, July 5). *The perceptual history of consonance and dissonance: Counting vertical pitch-class sets in vocal polyphony*. Paper presented at Medieval and Renaissance Music Conference, University of Birmingham, Department of Music, Birmingham, UK.

Seither-Preisler, Annemarie (2014, September 9). *Struktur, Funktion und Reifung des Hörkortex bei unauffälligen Kindern und Kindern mit AD(H)S: Eine Längsschnittstudie zu musizierbedingten Fördereffekten*. Paper presented at Kindliche Entwicklung und der Faktor Stress, 22. Internationale Konferenz für Neuromotorische Entwicklungsverzögerung bei Kindern mit Lern- und Verhaltensproblemen, Vienna, Austria.

Seither-Preisler, Annemarie (2014, November 12). *An instrument for every child*. Paper presented at TEDx Graz: Horizon - There's no such thing, Graz, Austria.

Seither-Preisler, Annemarie (2013, June 6-7). *Neurokognitive Korrelate von JeKi-bezogenem und außerschulischem Musizieren*. Paper presented at Perspektiven der Forschung zur kulturellen Bildung, Bundesministerium für Bildung und Forschung, Berlin, Germany.

Winter, Martin (2014, June 20). *Musikgenres als Wissen: Die Ko-Konstruktion von Punkrock und Männlichkeiten*. Paper presented at Auditive Wissenskulturen, Graz, Austria.

Winter, Martin (2014, July 8). *The co-construction of punk rock and masculinity: Music as l'art pour l'art or l'art pour la révolution?* Paper presented at Keep It Simple, Make It Fast! Underground music scenes and DIY cultures, Porto, Portugal.

Posters

Bisesi, Erica; Friberg, Anders; Parncutt, Richard (2013, July). *A preliminary computational model of immanent accent salience in tonal music*. Poster presented at Rencon (Music Performance Rendering Contest), Stockholm, Sweden.

Eckl, Florian Julius; Parncutt, Richard (2014, September). *Effects of music and alpha-wave frequencies on meditation*. Poster presented at International Conference of Students of Systematic Musicology (SysMus14), London, UK.

Juwan, Andreas; Eckel, Gerhard; Parncutt, Richard (2014, September). *Loudness war and hypercompression: Quantifying the perception of compression effects*. Poster presented at International Conference of Students of Systematic Musicology (SysMus14), London, UK.

Parncutt, Richard; Kaiser, Fabio; Sapp, Craig (2014, June). *Historical development of tonal syntax: Counting pitch-class sets in 13th-16th century polyphonic vocal music*. Poster presented at Auditive Wissenskulturen, Graz, Austria.

Parncutt, Richard; Sedlmayr, Peter (2014, May-June). *Biological foundations of prenatal emotion: Hormonal permeability and latency of the placenta and blood-brain barrier*. Poster presented at Neurosciences and Music, Dijon, France.

Seither-Preisler, Annemarie; Schneider, Peter (2013). *Abnormal synchronization patterns of left and right auditory cortex in children with ADHD*. Poster presented at 19th Annual Meeting of Organization for Human Brain Mapping, Seattle, USA.

Serralach, Bettina; **Parncutt, Richard; Seither-Preisler, Annemarie; Schneider, Peter** (2014, May-June). *Benefit of musical ability and practice on the auditory profile of children with attention deficit (hyperactivity) disorder (AD(H)D) or dyslexia – a combined MEG- and MRI-study*. Poster presented at Neurosciences and Music, Dijon, France.

Tscherne, Dietmar; Parncutt, Richard (2014, September). *Motivational qualities of music in exercise*. Poster presented at International Conference of Students of Systematic Musicology (SysMus14), London, UK.

OTHER RESEARCH PRESENTATIONS

Presentations by Centre Members

- Bisesi, Erica** (2014, March 24). *Sketching the trajectory from Schubert and Liszt to Expressionism in an emotion-based approach to music analysis*. University of Tel Aviv, Tel Aviv, Israel.
- Bisesi, Erica** (2014, March 27). *How does music expression depend on structure?* University of Tel Aviv, Buchman-Mehta School of Music Tel Aviv, Israel.
- Bisesi, Erica** (2014, March 28). *Sketching the trajectory from Schubert and Liszt to Expressionism in an emotion-based approach to music analysis*. Van Leer Jerusalem Institute, Jerusalem, Israel.
- Bisesi, Erica** (2014, March 31). *How does music expression depend on structure?* Guest lecture at Hebrew University of Jerusalem, Israel.
- Bisesi, Erica** (2014, November). *The tonal trajectory connecting Schubert, Wagner, Liszt and Schoenberg: a psychological, computer-based analysis*. Lecture-recital at Ljubljana Academy of Music, Slovenia.
- Bisesi, Erica** (2014, November). *How does music expression depend on structure?* 2nd International Music Week at Ljubljana Academy of Music, Ljubljana, Slovenia.
- Bisesi, Erica; MacRitchie, Jennifer** (2014, March 13). *The sound of emotion*. Meerscheinschlössl, University of Graz, Austria.
- Brabec de Mori, Bernd** (2013, June 25). *Heilung in Schall und Rauch. Zur Bedeutung ritueller Musik in Westamazonien*, Haus der Begegnung, Innsbruck, Austria.
- Parncutt, Richard** (2013, October 16). *Human sexual reproduction and the origin of musical emotion: Flirting, sex, prenatal development, infancy, childhood*. Department of Psychology, University of Salzburg, Austria.
- Parncutt, Richard** (2013, November 19). *Gesundheit und Wohlbefinden mit Musik*. Part of lecture series "Gesundheit und Wohlbefinden", Urania, Graz, Austria.
- Parncutt, Richard; Sattmann, Sabrina; Gaich, Andreas** (2014, July 8). *Root and scale-step compatibility of musical chords: A methodological comparison*. Auditory Cognition Group, Institute of Neuroscience, University of Newcastle, UK.
- Seither-Preisler, Annemarie** (2014, March 21). *Legasthenie und musikalisches Lernen - Erkenntnisse aus der JeKi-Begleitforschungsstudie AMseL*, Musikkonservatorium Bern, Switzerland.
- Winter, Martin** (2014, May 2). *Punkrock, DIY, Männlichkeiten*. AZ Fest, Autonomes Zentrum Aachen.

Presentations by Guests of the Centre

- Arthurs, Yuko (Sheffield, UK). *Consonance and pleasantness of musical chords: Effect of context and timbre*, 2013 November 12.
- Cenkerova, Zuzana (Bratislava, Slovakia). *Style-dependency of melodic expectation: Changing the rules in real time*, 2013 November 19.
- Ginsborg, Jane (Manchester, UK). *Collaborative performance: Learning from the use of visual and auditory cues by musicians with hearing impairments*, 2014 May 27.
- MacRitchie, Jennifer (Lugano, Switzerland). *Analysing the aural and visual communication of expressive intentions*, 2014 January 14.
- Shakhkulyan, Tatevik (Yerevan, Armenia). *Modal foundations of Armenian music*, 2014 October 14.
- Stachó, László (Budapest, Hungary). *Predictability, force, and attention: Bartók's and Dohnányi's performing style*, 2014 January 21.
- Stupacher, Jan (Leipzig, Germany). *Musical groove: Auditory-motor interactions*, 2013 October 15.
- Weth, Karim (Salzburg, Austria). *Why we listen to sad music*, 2013 December 3.

Worrall, David (Erlangen, Germany). *The role of embodied micro-gestures in creating and perceiving coherent sound streams*, 2014 March 18.

MEDIA REPORTS

- 2013 May 28. *Nachwuchs zwischen Prestige und Prekariat*. Newspaper report citing interview with **Bernd Brabec de Mori**. Der Standard, Austria.
- 2013 November 6. *Die Klänge der Anderen. Musikethnologie zwischen kolonialer Anmaßung und globaler Transformation*. Radio documentary including interview with **Bernd Brabec de Mori**. ORF Ö1, Austria.
- 2014 February 24. *Galileo und seine Freunde*. Newspaper debate section by various authors including **Bernd Brabec de Mori**. Der Standard, Austria.
- 2013 December 20. *In einem Lied vor unserer Zeit: Über die evolutionären Ursprünge der Musik*. Documentary mentioning **Richard Parncutt**. Radio ORF Ö1, Austria.
- 2014 August-December. Over 60 reports in Austrian and International media including Der Standard and Die Presse, on research by **Annemarie Seither-Preisler** with titles such as *Musik kann alles*, *Grazer Forscher weisen Einfluss von Musikunterricht auf Gehirn nach*, *Das Spielen eines Instruments verbessert die Hörwahrnehmung bei Kindern*, *Wer musiziert, kann besser lesen und schreiben*, *Instrumentalunterricht beeinflusst die Gehirnaktivität von Kindern*, *ADHS: Musikstunden fördern Hirnentwicklung*.

THESES AND DISSERTATIONS

- Jandt, Elisa (2014). *Der Einfluss von Musik auf selbstverletzendes Verhalten* (Unpublished Bachelor's thesis). University of Graz, Austria. Supervised by Parncutt.
- Mogel, Sigrun (2013). *Die Wahrnehmung der Konsonanz in Bezug auf den Faktor der Vertrautheit* (Unpublished Bachelor's thesis). University of Graz, Austria. Supervised by Parncutt.
- Sağlam, Hande (2013). *Eine Untersuchung über alevitische und sunnitische Besonderheiten der Âşık-Tradition* (Unpublished Doctoral dissertation). University of Music and performing Arts, Vienna.
- Sattmann, Sabrina (2014). *Aspects promoting the occurrence of chills while listening to music* (Unpublished Bachelor's thesis). University of Graz, Austria. Supervised by Parncutt.
- Tscherne, Dietmar (2013). *Enhancing musical creativity: The influence of internal and external factors* (Unpublished Bachelor's thesis). University of Graz, Austria. Supervised by Parncutt.
- Günther, Marc-Andre (2013). *Objektive und subjektive Lärmbelastung im Unterricht bei steirischen Lehrkräften*. Auftragsstudie des Umweltamtes und des Umweltbildungszentrums (UBZ) des Landes Steiermark (Unpublished Master's thesis). University of Graz, Austria. Supervised by Seither-Preisler.



Andreas
Gaich



Martin
Winter



Andreas
Fuchs



Erica
Bisesi



Bernd
Brabec de Mori



Daniel
Reisinger



Annemarie
Seither-Preisler



Richard
Parncutt



Michaela
Schwarz



Hande
Sağlam



Valentin
Grbic



Florian
Eckl



Marlies
Bodinger



Sabrina
Sattmann

