CENTRE FOR
SYSTEMATIC MUSICOLOGY

ANNUAL REPORT 2017

HIGHLIGHTS

As president of the European Society for the Cognitive Sciences of Music (ESCOM), Richard Parncutt contributed toward ESCOM’s 25th anniversary conference in Ghent, and developed strategies to increase society membership, such as offering electronic subscription to our journal *Musicae Scientiae*, and promoting the cognitive sciences of music in individual European countries and regions (France, Italy, the Netherlands, Poland, Spain). Parncutt’s main task as ESCOM president was to organize the 15th International Conference on Music Perception and Cognition (ICMPC) combined with the 10th triennial conference of the ESCOM, which will take place in 2018 (July 23-28) in four global locations: Graz, La Plata (Argentina), Montreal, and Sydney. Technical solutions such as Moodle for password-protected information and YouTube for live streams and videos were originally developed by student assistant Daniel Reisinger.

In preparation for ICMPC/ESCOM, the centre hosted the first Global Arts and Psychology Seminar on 28-29 April 2017. GAPS2017 happened simultaneously at Harvard University in Boston, Universidad Nacional de La Plata in Argentina, University of Graz in Austria, University of New South Wales in Sydney Australia, and University of Sheffield in the UK. To our knowledge, it was the first ever academic conference to happen at several hubs simultaneously. Student assistant Maximilian Burkard managed the conference together with vice-manager Julia Ebner. Three new student assistants, who had joined the
centre in March, also contributed to GAPS: electrical/audio engineer **Nils Meyer-Kahlen**, psychologist **Magdalena Ramsey**, and musicologist **Theresa Schallmoser**. There were three keynotes and 25 regular talks in parallel sessions, in which up to four locations were in real-time communication. The new format of GAPS2017, and ICMPC15/ESCOM10 in 2018, will improve global participation (accessibility and cultural diversity) at academic conferences while at the same time drastically reducing carbon emissions per participant.

In June, **Sabrina Sattmann** took up a new position as co-organizer of ICMPC15/ESCOM10. She is leading the planning, publicity, and abstract submission/review procedures. The centre also made a submission to the VCÖ Mobility Prize (Verkehrclub Österreich, Transport Club of Austria). Entitled “Global academic conferencing: A semi-virtual approach”, it was among the top five national projects.

Apart from publishing two neuroscientific manuscripts in collaboration with BioTechMed Graz (Clinical Neurophysiology) and the AMseL-team from Heidelberg and Graz (Frontiers in Psychology), **Annemarie Seither-Preisler** applied for the transnational DACH-Lead Agency-project “Neural predictors of dyslexia, ADHD and ADD in auditory cortex and associated multisensory networks of children” in cooperation with the University of Heidelberg, with FWF being the Austrian lead organization and DFG being the German partner organization. The project addresses potential benefits of musical training on brain structure and function in children with developmental disorders. The proposal received excellent reviews and was approved by FWF, but not reconfirmed by DFG; FWF recommended resubmission. Media reports on the findings of Seither-Preisler’s Austrian-German collaboration included *Spiegel* in Germany and Korean public television.

In September 2017, **Sabrina Turker** joined the centre as a doctoral student with a 3-year Doc-team fellowship from the Austrian Academy (ÖAW) entitled “Exploring individual differences in language learning abilities: From linguistic morphology to brain morphology”. Her research addresses the intricate relationship between language aptitude, musicality and the auditory cortex in adults and children, and includes collaboration with Heidelberg. She previously studied linguistics and taught English and French. During 2017, her first research paper was accepted for publication in Frontiers.

**Andrea Schiavio** joined the centre as a Postdoc at the end of September. A music psychologist and cognitive scientist, he was awarded an FWF Lise Meitner Fellowship for a project entitled “Making Music Together”. In 2017 he published four papers, delivered two keynote addresses at international conferences, and developed research collaborations with colleagues in UK, Italy, Switzerland, Belgium, and USA. **Erica Bisesi** concluded her 3-year FWF research project entitled “Expression, Emotion and Imagery in Music Performance” and continued her teaching in research in Bratislava (Department of Musicology, Comenius University) and Stockholm (KTH).

In November, we welcomed **Sandra Tanzmeister** as our new office manager. She is qualified in psychology and English and American studies. Also in November, doctoral student **Julie Delisle** became a guest researcher at our centre where she will remain until next summer with a research project entitled “Acoustic and psychoacoustic features of flute timbre”. She is qualified in flute performance and computer music and her supervisors are Caroline Traube and Pierre Michaud, Université de Montréal. Doctoral student **Helena**
Dukić, a music therapist in Zagreb, attended many of our research seminar meetings on Tuesday evenings, and presented her research results in Germany and Croatia.

Hannah Pell, a student of music theory, physics and oboe performance at Lebanon Valley College in Annville, Pennsylvania, USA, continued her activities at the centre under a Fulbright Combined Grant until June, when she presented a poster at the European Music Analysis Conference, Strasbourg and returned to the USA. She contributed to GAPS as promotion manager. Student assistant Maximilian Burkard rebuilt the internet presentation of the centre’s Society for Interdisciplinary Musicology at idmusicology.com, including the internet archives of the Journal of Interdisciplinary Music Studies and the Conference(s) on Interdisciplinary Musicology.
**STAFF**

**Director / Professor**
Richard Parncutt

**Associate / Senior Scientist**
Annemarie Seither-Preisler

**International Research Associate**
Peter Schneider, Universitätsklinikum Heidelberg, Germany

**FWF Postdoc Researchers**
Erica Bisesi
Andrea Schiavio

**Doctoral Students**
Helena Dukic
Julie Delisle
Sabrina Turker

**ICMPC Co-Organizer**
Sabrina Sattmann

**Fulbright Scholar**
Hannah E. Pell (USA)

**Student Assistants**
Lukas Auer
Daniel Reisinger
Maximilian Burkard
Nils Meyer-Kahlen
Theresa Schallmoser
Magdalena Ramsey

**Office Managers**
Gerlinde Knaus
Sandra Tanzmeister

**Advisory Board**
Andreas Dorschel, Dept. of Music Aesthetics, University of Music and Performing Arts Graz
Gerhard Eckel, Dept. Electr. Music and Acoustics, Univ. of Music and Performing Arts Graz
Andreas Schwerdtfeger, Dept. of Psychology, University of Graz
RESEARCH PARTNERS AND COLLABORATIONS

Richard Parncutt
- Amanda Bayley (Bath Spa University, UK)
- Robert Chuckrow (formerly of New York University, USA)
- Tuomas Eerola (Music Department, University of Durham, UK)
- Anders Friberg (Speech, Music and Hearing, KTH Stockholm, Sweden)
- Andreas Fuchs (AIT Austrian Institute of Technology GmbH, Vienna)
- Ali Cenk Gedik (Department of Musicology, Dokuz Eylül University, Izmir, Turkey)
- Jane Ginsborg (Royal Northern College of Music, Manchester, UK)
- Gerd Grupe (Dept. of Ethnomusicology, Univ. Music and Performing Arts, Graz)
- Graham Hair (Dept. of Contemporary Arts, Manchester Metropolitan University, UK)
- Fabio Kaiser (Rohde Acoustics, Robert-Preußler-Straße 10, 5020 Salzburg)
- Reinhard Kopiez (Hanover University of Music, Theater and Media, Germany)
- Manuela M. Marin (Dept. of Psychology, Univ. Innsbruck, Austria)
- Isabel Cecilia Martínez (National University of La Plata, Argentina)
- Gary McPherson (Faculty of Music, University of Melbourne, Australia)
- Alfonso Meave Ávila (Fac. de Música, Universidad Nacional Autónoma de México)
- Tatevik Shakhhulyan (Komitas Museum-Institute, Yerevan, Armenia)
- Emery Schubert (Arts and Social Sciences, University of New South Wales, Sydney)
- László Stachó (Department of Music Pedagogy, Liszt Academy, Budapest, Hungary)
- John Sloboda (Guildhall School of Music and Drama, London, UK)
- William Forde Thompson (Dept. of Psychology, Macquarie University, Sydney)
- Renee Timmers (Department of Music, Sheffield University, UK)

Andrea Schiavio
- Michele Biasutti (FISPPA, University of Padua, Italy)
- Anthony Chemero (Philosophy and Psychology Dept., University of Cincinnati, USA)
- David Elliott (Steinhardt School of Education, New York University, USA)
- Andrea Gande (Dept. of Music Education, Univ. of Music and Performing Arts, Graz)
- Niels Christian Hansen (Faculty of Music, The Ohio State University, USA)
- Denis Hauw (Institut des sciences du sport, University of Lausanne, Switzerland)
- Silke Kruse-Weber (Dept. Music Education, Univ. Music & Performing Arts, Graz)
- Mark Reybrouck (Department of Musicology, KU Leuven, Belgium)
- Jan Stupacher (Department of Psychology, Univ. of Graz)
- Renee Timmers (Department of Music, Sheffield University, UK)
- Dylan van der Schyff (Faculty of Music, Oxford University, UK)
- Ashley Walton (Department of Statistics, Harvard University, USA)

Annemarie Seither-Preisler
- Jan Benner (Department of Neurology, University Hospital Heidelberg, Germany)
- Valdis Bernhofs (Latvian Academy of Music, Latvia)
- Maria Blatow (Department of Radiology, University of Basel Hospital, Switzerland)
- Monika Brunner (Ear, Nose and Throat Clinic, Univ. Hospital Heidelberg, Germany)
- Markus Christiner (Centre f. Language Learning and Teach. Research, Univ. Vienna)
- Heiner Gembris (Institute f. Musical Aptitude Research, Univ. Paderborn, Germany)
- Wilfried Gruhn (Academy of Music, Freiburg, Germany)
- Gert Pfurtscheller (Institute for Biomedical Engineering, TU Graz; BioTechMed Graz)
- Susanne Reiterer (Centre f. Language Learning and Teaching Research, Univ. Vienna)
- Peter Schneider (Dep. of Neurology, University Hospital Heidelberg, Germany)
- Bettina Serrallach (Radiology & Nuclear Med., Kantonsspital St. Gallen, Schweiz)
- Martina Wengenroth (Dept. of Neuroradiology, Univ. Hospital Lübeck, Germany)
- Simeon Zoellner (Dept. of Neurology, University Hospital Heidelberg, Germany)

**Funded Research Projects**


Schneider, P., & 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 granted to P. Schneider and collaboration partners by German Science Foundation (DFG), February 2016 – January 2019.

Schneider, P., & Seither-Preisler, A. “Plasticity of the neuro-auditory network in musically trained adolescents”. Granted to P. Schneider and collaboration partners by German Science Foundation (DFG), February 2016 – January 2019.

PUBLICATIONS

Journal articles


Chapters


CONFERENCE PRESENTATIONS

Keynotes


Invited lectures


Schiavio, A. (2017, December). Sensorimotor primacy in music cognition. Invited paper at doctoral seminars in Sport Psychology, University of Lausanne, Switzerland


Other spoken presentations


**Posters**


anniversary conference of the European Society for the Cognitive Sciences of Music, Ghent, Belgium.


## OTHER RESEARCH PRESENTATIONS

### Research Seminar in Systematic Musicology, Graz


**Parncutt, R.** (2017, October 24). *Psychological principles of musical intonation: Pythagoras was wrong.*


**Seither-Preisler, A.** (2017, April 04). *Effect of musical training on auditory development, AD(H)D, and dyslexia.*


Stupacher, J. (Psychology, Graz) (2017, October 17). *Neural correlates and prosocial effects of entrainment to music.*

**Turker, S.** (2017, June 13). *Neuroanatomic correlates of music and language aptitude.*
International


Bisesi, E. & Sargenti, S. (2017, May 20) The musical theme of ‘La Folia’ at the crossing point of art, science and tradition. Talk at Civica Scuola di Musica, Zibido San Giacomo (Milano), Italy.


MEDIA COVERAGE

Helena Dukić
2017, April 03. Muzikoterapija u psihoterapeutskoj praksi (Music therapy in psychotherapeutic practice). Društvena mreža medicina, HRT 1 (Talk show about public health on Croatian national television).

2017, May 08. Vođena fantazija uz glazbu i relaksaciju (Guided Imagery and Music therapy and relaxation). Društvena mreža medicina, HRT 1 (Talk show about public health on Croatian national television).

Erica Bisesi
2017, April 28. Nijaký počítač nedokáže to, čo človek, hovorí taliantska muzikologička (No computer can do what a person does, says an Italian musicologist). SME Plus (newspaper), Slovakia.

Sabrina Sattmann
2017, May 05. Warum bekommen wir bei Musik manchmal eine Gänsehaut? Die Presse, Austria.

Annemarie Seither-Preisler

SUPERVISION OF THESES AND DISSERTATIONS

Richard Parncutt

Andrea Schiavio

TEACHING

Summer 2017

Richard Parncutt
Proseminar “Empirische Musikpsychologie” (2nd year BA)
Lecture series “Psychoacoustics and Music Cognition” (3rd year BA)
Research Seminar “Konversatorium” (3rd year BA; MA)
Literature study “Lektüre fachspezifischer Literatur” (BA)
Research presentations, student reports “Musikwissenschaft aktuell“ (BA and MA; admin)
Orientation session “Musikologie” (admin)

Annemarie Seither-Preisler
Lecture series “Einführung in die Musikpsychologie“ (1st year BA)
Tutorial “Musikpsychologische Datenanalyse” (3rd year BA)

Andrea Schiavio
Course “Psychology of Music Education” (MA, Univ. of Music and Performing Arts Graz)
Seminar “Embodied Music Cognition” (MA, University of Music and Performing Arts Graz)

Julie Delisle
Course “Musique de création et technologies” (Faculté de musique, Université de Montréal)

Winter 2017-18

Parncutt, Richard
Lecture series “Introduction to Systematic Musicology” (1st year BA)
Seminar “Music Psychology” (3rd year BA)
Research Seminar “Konversatorium” (3rd year BA; MA)
Literature study “Lektüre fachspezifischer Literatur”(BA)
Research presentations and student reports “Musikwissenschaft aktuell” (admin; BA and MA)