

Dr. Martin Ritter

Curriculum Vitae

Grieskai 40 Top 4
8020 Graz
Austria
Email: martin@martin-ritter.com

EDUCATION

Ph.D candidate, Computational Media Design, University of Calgary
DMA, Composition, University of British Columbia, 2014
M.Mus, Composition, University of British Columbia, 2009
BMus, Composition, University of British Columbia, 2007
Bachelor of Music Transfer Diploma, Capilano University, 2004
Practicum\Certificate, Comprehensive Musicianship International Piano Teaching Foundation Pre-School II, Level I, 2004

PUBLICATIONS

- 2016 Ritter, Martin and Alyssa Aska. "Extending the Piano through Spatial Transformation of Motion Capture Data" in Proceedings of the International Computer Music Conference, Utrecht, Netherlands.
- 2016 Aska, Alyssa and Martin Ritter "Approaches to real time ambisonic spatialization and sound diffusion using gestural control" in Proceedings of the International Computer Music Conference, Utrecht, Netherlands.
- 2015 Ritter, Martin. "Silence is Sounding, In Silence." *Voice To Voice: An Anthology of Music And Transformation*. Ed. Elee Kraljii Gardiner. Vancouver: Otter Press, 2015.
- 2015 Ritter, Martin. "Analyzing Music that Escapes Conventional Notation: Towards Automated Spectrogram Segmentation," in Proceedings of the Electroacoustic Music Studies Network, University of Sheffield, England, forthcoming.
- 2014 Ritter, Martin and Alyssa Aska. "Leap Motion as Expressive Gestural Interface," in Proceedings of the International Computer Music Conference, Athens, Greece, 2014.
- 2014 Ritter, Martin and Alyssa Aska . "Performance as Research Method: Effects of Creative Use on Development of Gestural Control Interfaces," in Proceedings of the Practice-Based Research Workshop at *NIME'14*, 2014, Goldsmith, University of London, UK.
- 2013 Ritter, Martin, Keith Hamel, and Bob Pritchard. "Integrated Multimodal Score-Following Environment," in Proceedings of the International Computer Music Conference 2013, Perth, Australia.
- 2009 Ritter, Martin. "Real-time Spectral Analysis and Dispersion," Canadian Electroacoustic Community *eContact!* http://cec.sonus.ca/econtact/11_2/ritter_dispersion.html

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AWARDS AND HONOURS

2017	Graduate Music Student Travel Grant, University of Calgary, 500
2016	CMD Travel Award, University of Calgary, 1,000
2015-18	Alberta Innovates - Technologies Futures Scholarship, Provincial, 94,500
2015	CMD Travel Award, University of Calgary, 500
2015	Graduate Music Student Travel Grant, University of Calgary, 250
2015	Faculty of Graduate Studies Travel Grant, University of Calgary, 1,000
2015	University of Calgary Technologies International Inc. Fellowship Scholarship, 10,000
2015-18	CMD Research Scholarship, University of Calgary, 8,000 (in name only after 2015)
2015	CMD Recruitment Scholarship, University of Calgary, 2,500
2014	Joseph and Melitta KANDLER Scholarship for Advanced Music Study, private, 1,525
2010-12	Joseph-Armand Bombardier Canada Graduate Scholarship, SSHRC (federal) 105,000
2010-13	Four Year Fellowships for PhD Students, University of British Columbia, 4,300
2009-12	Ph.D Tuition Fee Award, University of British Columbia, 12,630
2008	Mildred Johnson Scholarship in Music, private, 1,500
2006	Nora Black Memorial Scholarship, private, 320

SELECTED PERFORMANCES AND CONFERENCE PRESENTATIONS

Performances

2017	<i>Conjoined</i> , for double bass duo, for the impuls 10 th International Ensemble and Composers Academy for Contemporary Music
2017	<i>Together</i> , for 4 voices, impuls 10 th International Ensemble and Composers Academy for Contemporary Music
2016	<i>Go for it!</i> , for double bass, trumpet, alto flute, for the Oregon Back Festival Composer Symposium, Eugene, OR.
2016	<i>Lateral</i> , performed by the University of Calgary string quartet, Calgary, AB.
2016	<i>Thunderhorse</i> , performed as part of the Piano and Erhu Project (PEP), Calgary, AB.
2015	<i>Silence is Sounding, In Silence</i> , for baritone and piano, for the Voice to Voice Project, Vancouver, Canada.
2014	<i>Prayer</i> , for alto flute, cello, and percussion, as part of the International Computer Music Conference, Athens, Greece.
2014	<i>Still Night Thoughts</i> , for alto flute and interactive electronics, as part of the

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International Computer Music Conference, Athens, Greece.

- 2014 *Reach*, for piano, interactive electronics, and motion tracking, as part of the Ancient Music of the 20th Century concert series, Vancouver, BC.
- 2014 *Anima*, for accordion and interactive electronics, performed as part of the ComposIt New Music Festival, Rieti, Italy.
- 2014 *Still Night Thoughts*, for alto flute and interactive electronics, presented as part of the CostXCos concert series, Calgary, AB.
- 2014 *Thunderhorse*, performed as part of the Piano and Erhu Project (PEP), Calgary.
- 2013 *metafusion*, for large spatialized ensemble, commission and performance as part of the Transpondings Concert Series, Vancouver and Victoria, BC.
- 2013 *Five Imaginings*, for string quartet and guitar, commission and performance as part of the 5x7 Dodson Concert Series, Vancouver, BC.
- 2012 *Trans^(fiction)*, for solo cello, as part of the Composer Theorist lecture recital at the BC Creative Hub, Vancouver, BC.
- 2012 *Still Night Thoughts*, for alto flute and interactive electronics, The Further Series, Vancouver, BC.
- 2012 *Still Night Thoughts*, for alto flute and baritone, commissioned and performed by the Erato Ensemble, Vancouver, BC.
- 2012 *Going Home*, for baritone and piano, as part of the Vancouver International Song Institute: Art Song Lab, Vancouver, BC.
- 2012 *Du hast die Wahl*, soundtrack for German short-film, co-composed with Alyssa Aska, Munich, Germany.
- 2012 *Broken Wings*, sound design for theatrical production, commissioned by Susan Bertoia, Vancouver, BC.
- 2012 *Insomniac's Musings*, for piano, interactive electronics, and motion tracking, as part of the Sonic Boom New Music Festival, Vancouver, BC.
- 2011 *Crescend*, for soprano and piano, as part of the Vancouver International Song Institute: Art Song Lab, Vancouver, BC.
- 2011 *Trans^(fiction)*, for solo cello, as part of the Sonic Boom New Music Festival, Vancouver, BC.

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Conference Presentations

- 2017 “Capturing a musical performance using ambisonic technology”, presented as part of a session entitled Examining the creative process of Hans Tutschku’s Zellen-Linien for piano and live electronics (2007), during the conference Tracking the Creative Process in Music, Huddersfield.
- 2017 “Considering Space: Issues Surrounding Communicating Spatial Information of Electroacoustic Music Works”, Electroacoustic Music Studies Network, Nagoya, Japan.
- 2017 “*Touch*: Reaching for Creative Solutions in Canadian Gesture Tracking Technologies”, presented at Confounding Expectations: Celebrating 150 Years of Music in Canada, Calgary.
- 2016 Sallis, Friedemann and Martin Ritter, “Von Studien der Skizze zu Erläuterungen des Schaffensprozesses,” presented as part of a session entitled Wirken und Werken Max Regers – Quellen kompositorischen Schaffens im Diskurs, during the annual meeting of the Gesellschaft für Musikforschung at the Johannes-Gutenberg Universität, Mainz.
- 2016 Sallis, Friedemann and Martin Ritter, “Signalverarbeitung und Bewegungsaufnahme: das kreative Potential von Live-Elektronik-Musik für die heutige Musikpädagogik,” presented at the conference entitled La musica del Novecento come risorsa per la scuola organised by Facoltà di Scienze della Formazione of the Libera Università di Bolzano/Freie Universität Bozen, at Bressanone/Brixen.
- 2016 “Twenty-first Century Perspectives on Music in the Digital Domain”, Roundtable Discussion, Canadian University Music Society Annual Conference in coordination with the Congress of the Humanities and Social Sciences, Calgary, Canada.
- 2015 “Analyzing Music that Escapes Conventional Notation: Towards Automated Spectrogram Segmentation”, paper presentation at the Electroacoustic Music Studies Network Conference, Sheffield, England.
- 2015 “Perception of Notation: How to Approach Music that Challenges Symbolization”, *NCounters*, University of Alberta Graduate Music Conference, Edmonton, Canada.
- 2014 Ritter, Martin and Alyssa Aska, “Leap Motion as Expressive Gestural Interface”, paper presentation at the International Computer Music Conference-Sound and Music Computing Conference, Athens, Greece.
- 2014 “PEP at UBC Alumni Weekend: What’s an Erhu and why is it playing with a piano?”, invited panelist, Vancouver, Canada.

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- 2014 Ritter, Martin and Alyssa Aska, “Performance as Research Method: Effects of Creative Use on Development of Gestural Control Interfaes”, presented at the Practice-Based Research Workshop at New Interfaces for Musical Expression Conference, Goldsmith, England.
- 2013 Ritter, Martin, Keith Hamel, and Bob Pritchard, “Integrated Multimodal Score-Following Environment”, presented at the International Computer Music Conference, Perth, Australia.
- 2012 Invited performance/demonstration at the *American Educational Research Association (AERA) Special Interest Groups Learning Sciences (SIG-LS)*, and *Advanced Technologies for Learning (SIG-ATL)* business meeting, Vancouver, Canada.
- 2009 “Real-time Spectral Analysis and Dispersion”, presented at the Toronto Electroacoustic Symposium, Toronto, Canada.

TEACHING/RESEARCH EXPERIENCE

University of Calgary

- 2016 Research Assistant
- 2016 Orchestration, Teaching Assistant
- 2014 Audio-Visual Support, Canadian New Music Network Documentation Team, funded by the Social Sciences and Humanities Research Council

University of British Columbia

- 2012 “Music Technology Teaching Resources” (MuTTeR) project, Research Assistant/Lab Manager
- 2011 Teaching resource software development for “ScaleAnator”, Research Assistant/Programmer
- 2009-13 “Integrated Multimodal Score-following Environment” (IMuSE), Research Assistant/Composer
- 2009-10 “L-System” project, Research Assistant
- 2009-10 Introduction to Computer Music (MUSC 320), Teaching Assistant
- 2008-10 Teaching resources software development for “Accordo”, Research Assistant/Programmer

Simon Fraser University

- 2012 “Springboard” project, External Research Assistant/Programmer

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Center for Digital Media, Master of Digital Media Program

2009 Invited guest lecturer, Vancouver, Canada
2008-09 “d.sign” project, external programmer, Vancouver, Canada

Private

2014-ongoing KLM Music Ltd., Piano Instructor, Calgary, Canada
2010 EDM Studio Inc., Consultant/Programmer, Vancouver, Canada
2006-12 Robert Pace Group Piano Instructor, Self-employed
2003-06 Robert Pace Group Piano Instructor, Capilano University Community Music School

Workshop Activities

2017 impuls 10th International Ensemble and Composers Academy for Contemporary Music
2016 International Summer Course for New Music Darmstadt, Germany
2016 Oregon Bach Festival Composer Symposium
2014 ComposIt: A New Music Festival, Rieti, Italy
2011 International Computer Music Conference Workshops, Huddersfield, England
2011 Canadian Contemporary Music Workshop, Toronto, Canada
2011 Center for Computer Research in Music and Acoustics New Music Controllers, California, USA

Administrative

2012-13 Vice President of Vancouver Pro Musica, Vancouver, Canada
2011-13 Treasurer of the Composers’ Collective, Vancouver, Canada
2010-12 Board member of Vancouver Pro Musica, Vancouver, Canada
2009-10 President of the Composers’ Collective, Vancouver, Canada
2008 Founding member, treasurer of the Composers’ Collective, Vancouver, Canada

RELEVANT SKILLS

Music Software

Max/MSP/Jitter/Gen, Pd, Logic Pro, Finale, NoteAbltityPro, Peak, Amadeus Pro, Audacity

Programming Languages

Max/MSP/Jitter/Gen, Javascript, C, Objective-C, Swift, MATLAB/Octave, BASH

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LANGUAGES

German – Mother tongue
English – Fluent
French – Basic reading and writing skills

SELECTED LIST OF WORKS

Large Ensemble

- *(be)atmung*. (2016), for large spatialized ensemble
- *metafusion* (2013), for large spatialized ensemble
- *Rite...again* (2011), for Symphonic Band

Chamber Ensemble

- *Coruscant* (2017), for four or more (spatialized) flutes
- *Silence is Sounding* (2017), for piano trio
- *Conjoined* (2016), for two double basses
- *Lateral* (2016), for string quartet
- *Go for it!* (2016), for double bass, trumpet and alto flute
- *Ortus* (2014), for chamber ensemble, interactive electronics, and motion tracking (DMA thesis)
- *Thunderhorse* (2013), for piano and erhu
- *Prayer* (2013), for alto flute, cello, and percussion; with or without electronics
- *Five Imaginings* (2013), for string quartet and guitar
- *Chan Fanfare* (2013), for brass quintet
- *Overdrive* (2011), for piano duo
- *Dilemma* (2011), for solo violin and string orchestra
- *Lynn Valley Mist* (2010), for clarinet, violin, cello, vibraphone, percussion, and piano
- *Unity* (2009), for string orchestra
- *Say What?* (2008), for percussion duet
- *Fall Fanfare* (2008), for 3 trumpets, and 3 trombones
- *Dawn Looming* (2006), for 11 strings
- *Fragments of R* (2006), for flute, marimba, piano, and bass
- *Three Moments* (2006), for clarinet quartet

Solo Works

- *Resounding* (2017), for 17-string bass-koto
- *Nachtmusik – ナハトムジーク*, (2017), for 17-string bass-koto
- *de...* (2017), for solo harpsichord

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- *Maddening* (2016), for solo flute
- *...X Amount...* (2012), for solo percussion
- *Trans^(fiction)* (2011), for solo cello
- *SeaShellsontheSeaShore...* (2010), for solo violin

Live Instrument and Interactive Electronics

- *Anima* (2014), for solo accordion and interactive electronics
- *Reach* (2014), for solo piano, interactive electronics, and motion tracking
- *Sound Sculpture* (2013), for unspecified instrumentalist/dancer, interactive electronics, and motion tracking
- *Still Night Thoughts* (2012), for alto flute and interactive electronics
- *Insomniac's Musings* (2012), for solo piano, interactive electronics, and motion tracking
- *Facetime* (2011), for projected string quartet
- *Breathless* (2007), for flute and interactive electronics
- *Journey* (2007), for oboe and interactive electronics

Works for Fixed Media

- *n²* (2012)
- *Noise Conspiracy* (2006)
- *Rite* (2006)

Vocal Works

- *Together* (2016), for 4 voices
- *Alone* (2016), for 2 (or 4) voices
- *Silence is Sounding, In Silence* (2015), for baritone and piano
- *Still Night Thoughts* (2012), for alto flute and baritone
- *Going Home* (2012), for baritone and piano
- *Crescend* (2011), for soprano and piano
- *Evening Star* (2011), for soprano and piano
- *To God* (2004), for soprano, flute, and piano

Choral Works

- *Summer's Day Winter's Night* (2008), for chamber choir
- *Annabel Lee* (2007), for women's choir
- *Four Coral Miniatures* (2006), SATB choir
- *Susie Asado* (2005), for mixed choir
- *Velos Etas Preterit* (2004), SATB choir
- *Na Krstu sam te našao* (2007), for women's choir and solo cello

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Theatre/Film/Sound Design

- *Broken Wings* (2012), sound design for an experimental one-women production
- *Du has die Wahl* (2012), original movie score, collaboration with Alyssa Aska
- *Slip* (2010), sound design for an experimental one-woman production
- *Future Delta* (2010), sound-design for a 3D immersive and interactive virtual environment
- *Unity 1918* (2008), sound-design for the play of the same name
- *The Return of Futuristi* (2007), sound-design for Bello Luna Productions of the play of the same name