Curriculum Vitae

Coordinates: Valery Vermeulen
                    valery@valeryvermeulen.net
                    Belgian, 19 juni 1975
                    Sex: M

Website: http://www.valeryvermeulen.net/

Education:

1997-2001:   Phd in Pure Mathematics (Ghent University), obtained with the greatest
              distinction
              Titel phd thesis: "Twin buildings: characterization and classification results",
              Promotor: Prof. Dr. H. Van Maldeghem (Ghent University), Copromotor: Dr.
              B. Mühlherr (Tecnische Universität Dortmund)

1993-1997:   Masters of Mathematics (Ghent University), obtained with the highest
              distinction

2007-2010:   Bachelor of Arts in Music, option: Composing Music: Music Production,
              obtained with distinction, School of Arts Ghent – Royal Conservatory

2010-2013:   Master of Arts in Music, option: Composing Music: Music Production, option:
              Composing Music: Music Production, obtained with distinction, School of Arts
              Ghent – Royal Conservatory of Ghent

Software knowledge:

- Max/MSP, Max4Live, Reaktor, Pure Data, Quartz Composer, Processing, Arduino, R,
  S+, Python, Matlab, Octave, Mathematica, Statistica, SPSS, SAS, C++, C, Java,
  Javascript, Perl, Visual Basic, HTML

Artistic CV

Experience:

2021:
        visiting professor at Royal Conservatory - School of Arts Ghent (Ghent, BE)

post doctoral researcher at Department of Mathematics-Computer Science, University of Antwerp (Antwerp, BE)

guest lecturer at Master ArtScience | KABK Den Hague (Den Hague, NL)

2020:

visting professor at Royal Conservatory - School of Arts Ghent (Ghent, BE)

post doctoral researcher at Department of Mathematics-Computer Science, University of Antwerp (Antwerp, BE)

2019:

visiting professor at Art & Tech department at Erasmus University College Brussels (Brussels, BE)

post doctoral researcher at Department of Mathematics-Computer Science, University of Antwerp (Antwerp, BE)

guest professor at Royal Conservatory - School of Arts Ghent (Ghent, BE)

2018:

visiting professor at Art & Tech department at Erasmus University College Brussels (Brussels, BE)

guest lecturer at Department of Mathematics-Computer Science, University of Antwerp (Antwerp, BE)

guest lecturer at Vrije Universiteit Brussel (VUB, Brussels, BE)

2016-17:

visiting professor at Art & Tech department at Erasmus University College Brussels (Brussels, BE)

guest lecturer at Maastricht Academy of Media Design and Technology (Maastricht, NL)

guest lecturer at HKU (University College for the Arts Utrecht) – Department Music & Technology (Hilversum, NL)

guest lecturer at Royal Conservatory - School of Arts Ghent (Ghent, BE)

guest lecturer at Vrije Universiteit Brussel (VUB, Brussels, BE)

2015: visiting professor at Art & Tech department at Erasmus University College Brussels (Brussels, BE)

guest lecturer at MAD (Media, Arts & Design) -Faculty (Genk, BE)

guest lecturer at UDK (Universität der Kunste Berlin) (Berlin, BE)

guest lecturer at School of Arts – Ghent Conservatory (Gent, BE)

2014-: visiting professor at Art & Tech department at Erasmus University College Brussels (Brussels, BE)

guest lecturer at MAD (Media, Arts & Design) -Faculty (Genk, BE)

guest lecturer Kunsthumaniora Antwerp (Antwerp, BE)

2013: guest lecturer Kunsthumaniora Antwerp (Antwerp, BE)

2012: guest lecturer at MAD (Media, Arts & Design)-faculty (Genk, Be)

guest lecturer at Sint-Lucas Academy of Visual Arts Ghent (Ghent, Be)

2011: guest lecturer at Hogeschool Sint-Lukas Brussel (Brussels, Be)

2020-2022: artistic director of project "The Sound of Music" for Esch 22, European Capital of Culture 2022. Realised in collaboration with LIST (Luxembourg Institute for Science and Technology), University of Luxembourg (UL), FNR (Luxembourg National Research Fund) and Rockhal Luxembourg.

- Production of comissioned music work and live performance
- Responsible for design and implementation of data sonification strategies, software implementation and practical elaboration of data sonification, sound synthesis, generative sound design, music composition, music production, audio mixing and production of live show.
- Responsible for co production, training and mentoring of selected group of artists for the realization of a new audiovisual show

2007-2013: project and artistic management for the the interactive multimediaproject entitled "Montage Cinema Revived by the EMO-Synth" supported by the Flemish Authorities (suppert by the Flemish Audiovsual Fund and Flanders Image for the amount of 20747€).

- Responsible for planning, finances and periodical reporting.
- Responsible for the artistic coordination, organisation and realisation of software programming, mathematical modeling, sound design and image generation.

2001-2005: doctor scientific researcher at the Institute for Psychoacoustics and Electronic Music (IPEM) at Ghent University

- Responsable for statistical modeling of the link between music and emotions. Techniques used included discrete statistical methods, time series analysis, non parametric statistical modeling, functional regression methods, genetic programming and Bayesian statistics.

2003-2005: SKANNER, interactive multimedia project realised with the support of the Flemish Authorities, cooperation with visual artist Angelo Vermeulen

Performances en installations (selection):

2021:
- Installation Mikromedas AdS/CFT #001, exhbition The Order of Operations, organized by Ohme and BOZAR, BOZAR (Brussels, BE)

- Concert lecture "Music, Wall Street, (deep) space and Black Holes", Festival Digital, Kopetergietery (Ghent,BE)

2020:
- Mikromedas screening, Swell Ripple event, Ripple (San Francisco - California, US)

- Lecture performance "Music, Wall Street, (deep) space and Black Holes", Quantum: In Search of the Invisible, iMAL (Center for digital cultures and technology, Brussels, BE)

- Mikromedas Screening, Kraks at de Krook (Ghent, BE)

2019:
- Audiovisual installation "The Night – Edges of Uncertainty" in collaboration with visual artist Konrad Kosan Maquestieau, CC De Meent (Alsemberg, BE)

- Talk "Making Music from Space, Deep Space and Black Holes", Transmission in Motion & FIBER, Utrecht University (Utrecht, NL)

- Keynote/lecture performance "Music, Wall Street, (deep) space and black holes", KIKK Festival (Namur, BE)

- Mikromedas AdS/CFT #001 premiere, Cosmos Festival Concertgebouw Brugge (Bruges, BE)

- Lecture Performance "The Politics of Black Holes", Import Projects, Transmediale Festival 2019 (Berlin, DE)

2018
- Mikromedas talk, installation, concert, Mutation Festival 2018 (Ghent, BE)

- Lecture performance "Music, math and imagination", Fiber//The Rest is Noise, Alva Noto- UNIEQAV + object blue + Valery Vermeulen, Muziekgebouw aan 't IJ (Amsterdam, NL)

- Mikromedas live set for lecture by Thomas Hertog, Concertgebouw Brugge (Bruges, BE)

- Mikromedas talk and live set, Music and Technology Corner, Ohme & Brussels Electronic Marathon 2018, Musical Instruments Museum Brussels (Brussels, BE)

- Mikromedas live set, En Avant Mars Festival, Bijloke Music Centre (Ghent, BE)

- Mikromedas live set, Electric Poetry exhibition, Van Abbehuis (Eindhoven, NL)

2017:
- Mikromedas Live set and artist talk, Technosphärenklänge #4, Hause der Kulturen der Welt (organized by HKW and Club Transmediale Festival, Berlin ,DE)

- Mikromedas Live set, GOGBOT Festival 2017 (Enschede, NL)

- Mikromedas Live set, Ex #11 Dark Habitats Dark Ecology, SPEKTRUM | Art Science Community (Berlin, DE)

- Artist talk // invited panel member, FIBER Festival 2017, Brakke Grond (Amsterdam, NL)

- Artist talk, Re:Publica 2017 festival (Berlin, DE)

- Krystal Ball live set, Economia 2017 Festival, Baltan Lab (Eindhoven, NL)

- Mikromedas concert in combination with Museum of the Moon by L. Jerram (US), TECART 2017, WORM (Rotterdam, NL)

2016:
- Mikromedas Live Set, K+E event, Maracuja / AGORA Rollberg (Berlin, DE)

- Mikromedas Live set, State Festival (Berlin, DE)

- Mikromedas Live set, Oortreders Festival, Musica (Neerpelt, BE)

- Group show SUMMER CAMP#03, Cecilia Jaime Gallery (Ghent, BE)

- Lecture Performance, SPEKTRUM (Berlin, DE)

- Live set, Come Closer event, Oude Kerk (Amsterdam, NL)

- Live concert, Hacking Habitat Festival 2016 (Utrecht, NL)

- Live set, TEC ART 2016, WORM (Rotterdam, NL)

2015:
- Lecture/Performance, GLIMPS Festival 2015, Handelsbeurs Gent (Gent, NL)

- Krystal Ball concert, GOGBOT Festival 2015 (Enschede, NL)

- Live set, expo Wolkenkuckucksheim (Frankfurt, DE)

- Krystal Ball Sound Sculptures, Summer Camp#2, Cecilia Jaime Gallery (Ghent, BE)

- Mikromedas performance, Sound Scapes & Sound Identities - 7th FKL Symposium on Soundscape(Besenello, IT)

- Mikromedas Live Set, Drumherum (Berlin, DE)

- Mikromedas performance, Slingshot Festival Athens (Atlanta, US)

- Mikromedas live concert, expo What AB what AB what a Beauty (Frankfurt, DE)

- Group Show with Peter Beyls and Phill Niblock, Gallerie S& H De Buck (Ghent, BE)

- Mikromedas and Krystal Ball live concert with Peter Beyls and Phill Niblock, Gouvernement Gent, School of Arts Ghent / Gallerie S & H De Buck / Gouvernement Ghent (Ghent, BE)

- Nr 11 B / Mikromedas, Installation and concert, Cecilia Jaime Gallery, Ghent Light Festival 2015 (Ghent, BE)

- Krystal Ball, data concert, Cqrrelations, Constant vzw and de Buren, Les Halles De Schaerbeek, (Brussels, BE)

2014:
- Mikromedas live performance, Update_5 Technology as Context (Zebrastraat, Ghent, BE)

- Mikromedas live performance, GOGBOT Festival (Enschede, NL)

- Mikromedas performance, Hörlurfestival (SE)

- Mikromedas live performance, DEAF (Dutch Electronic Art Festival, Rotterdam, NL)

- EMO-Synth meets Leonardo Da Vince, Muntpunt, Brussels (BE)

- Invited speaker at TEDxFlanders, (Antwerp, BE)

2013:
- Delta_p Delta_x (interactive multimedia installatio), Bozar Electronic Arts Festival, Bozar, (Brussels, BE)

- Invited speaker on biofeedback and applications in the arts, TES 2013 (Toronto Electroacoutic Symposium), Toronto (CA)

- "The EMO-Synth project, workshop", GRETA, Rijeka (HR)

- Invited speaker on biofeedback and applications in the arts, EMS 13 (Electroacoustic Music in the Context of Interactive Approaches and Networks), Lisbon (PT)

- "The EMO-Synth project", Liebig12, Berlin (DE)

- "The EMO-Synth project", Greta Gallery, Zagreb (HR)

- "The EMO-Synth project", CroArtScia2013 , Technical Museum, Zagreb (HR)

- "EMO-Synth", Nuit Blanche, WARP (Waasland Art Projects), Sint-Niklaas (BE)

- "EMO-Synth", Museum Night Fever 2013, Musical Instruments Museum, Brussels (BE)

2012:
- "Montage Cinema Revived by the EMO-Synth (Office Tamuraj presents EMO-Synth Prototype 5.2)", Logos Foundation ,Ghent (BE)

- "Montage Cinema Revived by the EMO-Synth (Office Tamuraj presents EMO-Synth Prototype 5.2)", KASK Cinema ,Ghent (BE)
- "Montage Cinema Revived by the EMO-Synth (Office Tamuraj presents EMO-Synth Prototype 5.2)" in collaboration with new music ensemble Champ d'Action, M HKA (Museum for Contemporary Art, Antwerp), Antwerp (BE)

2011:
- "Montage Cinema Revived by the EMO-Synth (Office Tamuraj presents EMO-Synth Prototype 5.2)", Center for Digital Cultures and Technology, iMAL, Brussels, (BE)
- Artist in residence, Center for Digital Cultures and Technology, iMAL, Brussels (BE)

2010:
- "Montage Cinema Revived by the EMO-Synth (Office Tamuraj presents EMO-Synth Prototype 5.1 curated by Astrid David)", Royal Conservatory of Ghent, Ghent (BE)
- "Montage Cinema Revived by the EMO-Synth (Office Tamuraj presents EMO-Synth Prototype 5.1 curated by Astrid David)", DORKBOT Sessions, Timelab, Gent (BE)

2009:
- "Montage Cinema Revived by the EMO-Synth (Office Tamuraj presents EMO-Synth Prototype 5.1 curated by Astrid David)", Art Cinema OFFoff, Ghent (BE)
- "Office Tamuraj presents EMO-Synth Prototype 5.0", Happy New Ears Festival, Courtrai, (BE)

2008:
- "Office Tamuraj presents EMO-synth Prototype4.4 (curated by Astrid David)", MHKA Media (Museum for Contemporary Art, Antwerp), Antwerp, (BE)
- "Office Tamuraj presents EMO-Synth Prototype 4.4 (curated by Astrid David)", Gallerie Tatjana Pieters, Ghent, (BE)

2007:
- "Office Tamuraj presents EMO-Synth Prototype 4.3 (curated by Astrid David)", art fare Lineart, Ghent (BE)
- "Office Tamuraj presents EMO-synth Prototype 4.2", *expo Metamorphosis III*, LA.C. (Lieu d'Art Contemporain), Narbonne (Fr)
- "Office Tamuraj presents EMO-synth Prototype 4.2", *expo Nighthawks*, X=10C, Acec Site, Ghent, (BE)
- "Office Tamuraj presents EMO-Synth Prototype 4.1 (curated by Astrid David)", Croxhapox, Ghent, (BE)
- "Office Tamuraj presents EMO-Synth Prototype 4.0 (curated by Astrid David)", artist studio, Ghent, (BE)

2006:
- "EMO-synth Prototype03", *SPOTLIGHTS*, CC Hasselt, Hasselt, (BE)
- "EMO-synth Prototype02", expo *PERSEVERANCE*, Godshuis, Sint Laureins, (BE)

2005:

- "SKANNER Labtest", multi-media performance with visual artist Angelo Vermeulen, *Liebaerts Projects vzw*, Courtrai, (BE)

- "SKANNER Labtest 2.3", multimedia performance with visual artist Angelo Vermeulen, *ARTEFACT FESTIVAL KULTURAMA 2005*, STUK, Leuven

- "Ikkiyu", 3D sound composition, *ARTEFACT FESTIVAL KULTURAMA 2005*, STUK, Leuven

- "TAMURAJ Live set", Café & Compagnie, Ghent, (BE)

- "SKANNER Labtest", multimedia performance with visual artist Angelo Vermeulen*, Subliminal Festival*, Beursschouwburg, Brussels (BE)

Publications:

- Interview Music & Math, Kunstzone (Edition sep 2018, Interview by P. Van Der Heijden) Available from: https://kunstzone.nl/product/nr-05-september-2018/

- Interview, GONZO (Circus) Magazine (Edition jan-feb 2016, Interview by T. Ploeg)

- Average Art Magazine (2016), Artist feature. Edition october 2016. Available from: http://averagearts.bigcartel.com/product/average-art-magazine-october

- Vermeulen, V. (2014) Affective computing and psychophysiology as new ways for interactive music compositions and performance. In: *eContact! 16.3*. Available from: http://cec.sonus.ca/econtact/16_3/vermeulen_affectivecomputing.html

- Huylebrouck, D. (2014) Muziek op maat (in Dutch). In *EOS, issue april 2014*. Available from: http://eoswetenschap.eu/content/eos-april-2014.

- Vermeulen, V. (2012) The EMO-Synth, an emotion driven music generator. In: *eContact 14.2! Biotechnological Performance Practice.* Available from: http://cec.sonus.ca/econtact/14_2/vermeulen_emosynth.html.

- Vermeulen, V. (2012) The EMO-Synth, an intelligent music and image generator driven by human emotion. In : *Proceedings of the 15th Generative Art Conference GA2012.* Available from: http://www.generativeart.com/GA2012/valery.pdf.

- Leman, M., Vermeulen, V. et al. (2005) Prediction of Musical Affect Atribution Using a Combination of Structural Cues Extracted From Musical Audio. *Journal of New Music Research,* 34, no 1, pp. 39-67.

- Leman, M., Vermeulen, V. et al. (2004) Using audio features to model the affective response to music. In: *Proceedings of the International Symposium on Musical Acoustics (ISMA2004)*, Nara, Japan.

- Leman, M., Vermeulen, V. et al. (2004) Correlation of gestural musical audio cues and perceived expressive qualities. In: Camurri, A. & Volpe, G. (Eds.), *Gesture-based communication in human-computer interaction.* Berlin, Heidelberg: Springer-Verlag.

- Leman, M. Vermeulen, V. et al (2003) Relationships between musical audio, perceived qualities and motoric responses-a pilot study. In: *Proceedings of the Stockholm Music Acoustics Conference (SMAC 03)*, Stockholm, Sweden, pp. 40-54.

Press/Media:

- Artist interview, Radio Eins (DE) (09/05/2017)

- Interview, Mark Magazine (11/10/2017)

- Pitch on EMO-Synth project for CANVAS (National Belgian Broadcasting Agency) (23/02/2016)

- Interview and demonstration live in studio for national radio station Radio 1 during show Bar Du Matin (07/04/2014)

- Interview on EMO-Synth, national radio station Radio 1 during show De Ochtend (04/04/2014)

- Interview on EMO-Synth national radio station Radio 2 during show Middagpost (02/04/2014)

- Interview "The EMO-Synth project", national radio station Radio Klara (27/02/2013)

- Interview "EMO-Synth", Artefact Artmagazine, Issue # DECEMBER 2011

- Interview on "Montage Cinema Revived by the EMO-Synth", Radio URGent fm, 01/12/2009

- EMO-Synth Prototype03 in *Bedweters*, broadcasted on national television station KETNET, 2007

- Interview and live demonstration of EMO-synth Prototype02, broadcasted on national radio station Studio Brussels, 27/03/06

Lectures, workshops and visiting lectures (selection)

- Online workshop "Wavetable Synthesis", Center-MCS, (Ghent, BE), 2021

- Online workshop "Digital Sound Synthesis (Focus on FM Synthesis) (Ed. 4)", Center-MCS, (Ghent, BE), 2021
- Online workshop "Analogue/Subtractive Sound Synthesis (Ed.2)", Center-MCS, (Ghent, BE), 2021
- Online workshop "Digital Sound Synthesis (Focus on FM Synthesis) (Ed. 3)", Center-MCS, (Ghent, BE), 2020
- Online workshop "Practical Music Theory I", Center-MCS, (Ghent, BE), 2020
- Online workshop "Analogue/Subtractive Sound Synthesis", Center-MCS, (Ghent, BE), 2020
- Online workshop "Digital sound synthesis I (Focus on FM Synthesis)", Center-MCS, (Ghent, BE), 2020
- Online workshop "Create music from (deep) space and Wall Street (Ed. 3)", Center-MCS, (Ghent, BE), 2020
- Online workshop "Digital sound synthesis I" (focus on FM Synthesis)", Center-MCS, (Ghent, BE), 2020
- Online workshop "Create music from (deep) space and Wall Street (Ed. 2)", Center-MCS, (Ghent, BE), 2020
- Online workshop "Create music from (deep) space and Wall Street"
- Workshop "Analogue/Subtractive sound synthesis (Ed. 6)", Center-MCS, (Ghent, BE), 2020
- Talk "Making Music from Space Deep Space and Black Holes", Transmission in Motion, Utrecht University & Fiber Festival, (Utrecht, NL), 2019
- Workshop "Create your own music from (Deep) Space", Mutation Festival, (Ghent, BE), 2019
- Workshop "Create your own music from (Deep) Space", KIKK Festival, (Namur, BE), 2019
- Workshop "Digital Sound Synthesis I (Ed2)", Center-MCS, (Ghent, BE), 2019
- Summercamp "Music Lost & Found in Space", Center-MCS in collaboration with Nerdlab (Ghent, BE) 2019
- Workshop "Music, Deep Space and Wall Street", Baltan Laboratories (Eindhoven, NL) 2019
- Workshop Analogue/Subtractive Sound Synthesis (Ed4), Center-MCS, (Ghent, BE), 2019
- Workshop Analogue/Subtractive Sound Synthesis (Ed3), Center-MCS (Ghent, BE), 2019
- Workshop Analogue/Subtractive Sound Synthesis (Ed2) (Ghent, BE), 2018
- Workshop Digital Sound Synthesis I (Ghent, BE), 2018
- Workshop Analogue/Subtractive Sound Synthesis (Ghent, BE), 2018
- Masterclass Music and Math, the University of Antwerp (Antwerp, BE), 2018
- Workshop Max4Live, Max4Live // MaxMSP for Musicians II (Ghent, BE), 2018
- Summerschool Max4Live and Max/MSP for Musicians (Ghent, BE), 2017
- Workshop Max4Live, School of Arts Ghent – Ghent Conservatory (Ghent, BE), 2017

- Worshop Contemporary Arranging and Composition techniques for Dance and Pop Music, School of Arts Ghent – Ghent Conservatory (Ghent, BE), 2017
- Masterclass at the Research Seminar ManaMa Program on New Music, Royal Conservatory Ghent, Shool of Arts Ghent (Gent, BE), 2017
- Workshop series "On use of chance and randomness for art and design", Maastricht Academy of Media Design and Technology (MAMDT) (Maastricht, NL), 2017
- Masterclass/Artist Talk, Free University of Brussels (VUB) (Brussels, BE), 2017
- Workshop on the Sound of Numbers, AGORA Collective (Berlin, DE), 2016
- Workshop on Arranging and Composition Techniques for Electronic Music, AGORA Collective, (Berlin, DE), 2016
- Workshop on Sound Design and Synthesis for Electronic Music, AGORA Collective, (Berlin, DE), 2016
- Lecture at Generative Art event, Maastricht Academy of Media Design and Technology (MAMDT, Maastricht, NL), 2016
- Workshop Creating Music from Deep Space or Wall Street, VIVES Management (Kortrijk, BE), 2016
- Masterclass, PXL-Music (Hasselt, BE), 2016
- Workshop on Composing and Producing Electrnic Music, GIP, de! Kunsthumaniora, (Cadzand, BE), 2016
- Workshop Contemporary Arranging and Composition techniques for Dance and Pop Music, School of Arts Ghent – Ghent Conservatory (Ghent, BE), 2016
- Workshop Sound Synthesis and Sound Design for Dance and Pop Music, School of Arts Ghent – Ghent Conservatory (Ghent, BE), 2016
- Masterclass and workshop on connecting data science and the arts, Maastricht Academy for Media Design and Technolgy (Maastricht, NL), 2016
- Artist talk and workshop on artistic uses of biofeedback, HKU (University College for the Arts Utrecht) Dep. Music & Technology (Utrecht, NL), 2016
- Artist talk, GLIMPS Festival 2015 (Ghent, BE), 2015
- Masterclass Data Sonification and Interactive Sound Synthesis, MAD Faculty (PXL Hasselt, BE), 2015
- Artist presentation at Robson Driedaagse (Enschede, NL), 2015
- Masterclass "Data sonification and algorithmic music composition", GOGBOT Festival (Enschede, NL), 2015
- Summerschool "Biofeedback in Artistic Context, Brakke Grond and STEIM (Amsterdam, NL), 2015
- Workshop "Sound synthesis in Max4Live", Motormusic Studios (Mechelen, BE), 2015
- Workshop "Cybernetic Sound Design", Agora Collective (Berlin, DE), 2015
- Workshop "Interactive sound design and synthesis as innovative tool for music composition and performance", Slingshot Festival Athens (Atlanta, US), 2015
- Workshop "Biofeedback in artistic context", STEIM (Amsterdam, NL), 2015
- Invited speaker, TecX, Erasmus University college Brussels (Brussels, BE), 2015

- "Mathematics and Artificial Intelligence as Innovative Tools for Music Composition and Performance", invited speaker at the Sound Studies Lectures program, Universität der Kunste (UdK, Berlin, DE), 2105
- Artist presentation, Humböldt Universität zu Berlin, (Berlin, DE), 2015
- "Krystal Ball, the financial credit crisis and I. Xenakis", invited speaker at Cqrrelations, Constant vzw and de Buren, (Brussels, BE), 2015
- "Biofeedback, artificial intelligence in artistic context and EMO-Synth project", guest lecturer, MAD (Media, Arts & Design) – Faculty, (Genk, BE), 2014
- "Biofeedback in music and multimedia art", visiting lecturer, Kunsthumaniora Antwerpen, Antwerp (BE), 2014
- "Hacking game and related controllers and sound design", visting lecture, LABOn Tour, Kunsthumaniora Antwerpen, Antwerp (BE), 2013
- "Hacking devices and practical integration in interactive multimedia systems", visting lecture, Sint-Lucas Academy of Visual Arts Ghent, Ghent (BE), 2012

Productions/Releases:

2021:
- Mikromedas AdS/CFT #001, released on Ash International subsidiary of label Touch.

2009:
- *Tamuraj EMO-Synth Prototype5.1.*, digitale download, Gonzo Circus #93

2006:
- *Kakashi*, ep in collaboration with belgian producer and bass player Erik Van Biesen (Gorki, Paranoiacs, Axelle Red)

2004:
- *RMX2*, Angelo Vermeulen, Production Tamuraj, issued on (KRAAK)3 label, C047
- *Koan* demo cd

2003:
- *Droidlove* (soundtrack for "Coral Fashion Awards 2003")
- Soundtrack for installation of Angelo Vermeulen nominated for the Provinciale Prijs voor Beeldende Kunst Oost-Vlaanderen 2003, exposition *Provinciale Prijs voor Beeldende Kunst Oost-Vlaanderen 2003*, Caermersklooster, Ghent (BE)

Prices, grants, funding and residencies

2015: Artist Residency, Vlaams Cultuurhuis De Brakke Grond, (Amsterdam, NL)
2015: Artist Residency, Liebig 12 Gallery, (Berlin, DE)
2013: Supported by Flemish Authorities for participation at CroArtScia2013
2012: Selected for artist in residence program at Marnay Art Center
2010: Preselection Canvas collection 2010

2008: Supported by the Flemish Audiovisual fund and Flanders Image for the realisation of the interactive multimedia project "Montage Cinema Revived by the EMO-Synth" (total support for the amount of 20747 €)

2007: Selected for artist in residence program in X=10C, Ghent (BE)

2005: Finalist Studio Brussels remix competition "Hang the dichter"

2004: Supported by the Flemish Authorities for the realisation of the interactive multimedia project SKANNER (collaboration with visual artist Angelo Vermeulen)

Scientific CV

Academic education:

1997-2001:
> **Phd in Pure Mathematics** (Ghent University), obtained with the highest dinstincion
> Phd topic: algebraic group theory, Kac-Moody algebra's, Tits buildings and Twin building theory.
> Title of phd thesis: "Twin buildings: characterization and classification results", (In english with dutch resume), 272 pp.

1997-2001:
> **Doctoral Training Program** (Ghent University)

1993-1997:
> **Master of Mathemtics** (Ghent University), obtained with the highest distinction.
> Title masters thesis:
> *Coxeter complexen en Moufang-Tits buildings*, 132 pp

Scientific activities:

2005-: Senior data scientist and applied mathematician, Securex Group
> Responsible for data handling, implementation and design of data procedures, statistical procedures, software developement and validation, design, evaluation and implementation of statistical testing, data modeling and predictive modeling

2001-2005:
> Doctor scientific researcher at the Institute for Psychoacoustics and Electronic Music (IPEM, Ghent University).
> Research topic: Music and emotions.

1997-2005:

Phd student at the Department of Pure Mathematics and Computeralgebra, Ghent University.

Academic teaching activities:

Teaching courses

1999:   Excercises with course entitled *Analysis I* (1ˢᵗ bachelor Mathematical and Physical Sciences, Ghent University)
        Excersises for course entitled *General Mathematics* (1ˢᵗ bachelor Geology, Ghent University)
1998:   Excersises for course entitled *Building Theory* (1ˢᵗ master Pure Mathematics, Ghent University)

Thesis advisor

2004:   Thesis advisor for *Modeling emotional responses of people on music*, Thomas Calis, Masters thesis in Civil Engineering, Promotors: Prof. Dr. Ir. J.-P Martens, Prof Dr. M. Leman, Ghent University
1999:   Thesis advisor for *The Moufang Condition*, Heidi Wouters, Masters thesis in Pure Mathematics, Promotors: Prof. Dr. J.A. Thas, Prof. Dr. W. Mielants, Ghent University
        Thesis advisor for *Introduction to Reed-Muller Codes*, Caroline Duflou, Masters thesis in Pure Mathematics, Promotors: Prof. Dr. J.A. Thas, Prof. Dr. L. Storme, Ghent University
1998:   Thesis advisor *Affine Buildings*, Kim Cao Van, Masters thesis in Pure Mathematics Promotor:, Prof. Dr. H. Van Maldeghem, Ghent University

Conferences and lectures:

- "Kickoff Meeting", S2S (Sound to Sense Sense to Sound", l'Instituto degli Innocenti Enze, Firenze, (It), 2004
- "Relationships between musical audio, perceived qualities and motoric responses -a pilot study", *The 5ᵗʰ International Workshop on Gesture and Sign Language based Human-Computer Interaction*, InfoMus, Lab DIST, University of Genova and Teatro dell'Opera Carlo Felice, Genua (It), 2003
- "Non embeddable foundations of type B2 tilda", Universiteit Gent, *Moufang and Twin Buildings*, organized by Prof. Dr. H. Van Maldeghem, 1999
- "Twin Buildings", *Seminar on Incidence Geometrie*, Universiteit Gent, organized by Prof. Dr. H. Van Maldeghem, 1999
- "Moufang to twin"; *Groups and Geometries*, Bowling Green State University, organized by Prof. Dr. Curtis Bennett, 1999

- *Groups of finite Morley Rank*, Anogia Academic Village, Crete, organized by Prof. S. Padapopoulou, 1998
- Lezingenreeks *Permutatiegroepen*, Prof. Dr. F Buekenhout(ULB), Prof. Dr. F. Bingen (ULB), Prof. Dr. H. Van Maldeghem (UG), ULB, 1998
- *Twente Conference on Lie Groups*, University of Twente Applied Mathematics, orgainzed by DR. G. F. Helminck, 1997

Workshops en courses:

- "Permutatiegroups", Prof. Dr. F. Bingen, Prof. Dr. H. Van Maldeghem, Ghent University, Université Libre de Bruxelles (ULB), 1999
- "Commutative algebra", Prof. Dr. J. Van Geel, Ghent University, 1998
- "Immeubles jumelés: théormèmes d'existence; groupes exotiques et cohomolgie galoisienne", Prof. Dr. J. Tits, Collège de France, Paris, 1997

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