

Federico Reuben

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RESEARCH PROFILE

Research Interests

Composition (acoustic, studio-based and mixed), live electronic performance, improvisation, sound art, music computing and interactivity, cross-arts collaboration (live art, installation, robotics, video, theatre and dance), contemporary music studies, critical/contextual studies of digital and sound culture.

Publications and Conference Presentations

- F. Reuben. *On Violence: Augmented Performance, Interpassivity and the Aesthetics of Violence*, Music and/as Process Symposium, CeReNeM, University of Huddersfield, June 2013 [accepted]
- F. Reuben. *Real-time Plunderphonics: Appropriating Keyboard Performances as they Occur*. In *Proceedings of International Keyboard Symposium 2012*. Goldsmiths College, University of London, November 2012
- F. Reuben. *Modularity, Immediacy and Exchange in Improvisation using SuperCollider*. SuperCollider Symposium 2012, April, 2012
- A. Vahlar, E. Redding, F. Reuben, N. Luck, M. Huslak, S. Sentler, S. Chin. In preparation: a performance-led approach and a new research methodology for dance science. In *Proceedings of International Association for Dance Medicine & Science (IADMS)*, Washington DC, US, October, 2011.
- F. Reuben. *Reworking Musical Strategies In the Digital Age*. In *Brunel University Research Archive (BURA)*, Brunel University, West London, February 2011.
- A. Kolkowski and F. Reuben. *Horatio Oratorio: Composing Using Historic Sound Recordings*. In *Proceedings of the Centre for the History and Analysis of Recorded Music (CHARM) Symposium 6: Playing with Recordings*. Royal Holloway, University of London, Egham, September 2008.

Selected Works and Performances

- 2013 **Manifesto**, with Lore Lixenberg and Aleks Kolkowski. Performance of Manifesti by Marinetti, Lewis, Russolo, Apollinaire, Albert-Birot, Duchamp, Schulhoff, Picabia, Wölfi, Fahlström. Music by Federico Reuben, Lore Lixenberg and Aleks Kolkowski. Out Hear, Kings Place, London.
Perro-chimp and Fiona Bevan [CD], with Javier Carmona and Fiona Bevan. Recorded in January 2013. Release Date: August 2013.
Perro-chimp and Dominic Lash [CD], with Javier Carmona and Dominic Lash. Recorded in January 2013. Release Date: August 2013. Squib-box.
- 2012 **On Violence**, for piano, live electronics, computer display and sensors. World premiere by Rei Nakamura. International Keyboard Symposium 2012, Goldsmiths College, University of London. Piano+, IMATRONIC Festival, Zentrum für Kunst und Medientechnologie (ZKM) Karlsruhe, Germany.
ModImprov [code], computer application for modular improvisation in SuperCollider, in GitHub.
Screech 'n' Glitch [CD], with Mark Hanslip, Dominic Lash and Philip Marks. Recorded in May 2012. Release Date: June 2013.
Live and Roar: An Axolotl Odyssey, with Lore Lixenberg, Darwin Centre Atrium, Natural History Museum, London.

- Squib-box residency and showcase**, Sound//Space organised by SoundFjord, V22 Workspace, Bermondsey, London.
- Live Algorithms Concert**, SuperCollider Symposium 2012, Bar & Co, Temple Pier, Embankment, London.
- 2011 **Shadow Prophets**, Collaborative Opera in 3 acts for chamber ensemble, singers and live electronics. With Adam de la Cour and Neil Luck. Libretto by Matthew Lee Knowles. Minere Sonore Festival, Oristano, Sardinia, Italy. LSO St. Luke's, London.
- Orwell Fragments**, with Ingrid Laubrock (saxophone), Dominic Lash (double bass) and Federico Reuben (live electronics). Cafe Orwell, Brooklyn, NY.
- Sporcizia Accademica**, for fixed media. With FreuPinta. Release Date: January 2011. Squib-box.
- 2010 **Too Hot to Handel**, for soprano, harpsichord, electric guitar, double bass, drums, live electronics and 2 vocalists. World premiere by Loré Lixenberg, Mark Knoop, Steve Nobel, Adam de la Cour, Dominic Lash, Neil Luck and Federico Reuben. Handel House Museum, London. Athealas New Music Festival, Copenhagen, Denmark, 2011.
- Trio No.1**, with Adam de la Cour (processed voice and guitar), Javier Carmona (drums) and Federico Reuben (live electronics), Institute of Contemporary Arts, London.
- 2009 **E-tudes**, installation/performance for 6 stage pianos, live electronics, Disklavier and 200 wireless headphones. World premiere by Piano Circus and Federico Reuben, The Sound Source, Kings Place, London. Sponsored by the PRS Foundation Live Connections scheme and Sound and Muisic.
- Zizek!?**, for piano, double bass, drums, live electronics, 4 computer network and video. World premiere by Dominic Lash, Alexander Hawkins, Javier Carmona and Federico Reuben. The Sound Source, Kings Place, London.
- 2008 **Horatio Oratorio**, for stroh violin, gramophones, phonographs, horn installation and live electronics. Music by Aleks Kolkowski and Federico Reuben. World Premier by Aleks Kolkowski, Federico Reuben and Sebastian Lexer. Presented by Sprawl and The Wire Magazine (media partners), sponsored by the PRS Foundation, the Sonic Arts Network and The Arena. Shunt Vaults, London. Palaeophonics Conference, University of Edinburgh, 2011.

Selected Collaborations and Cross-arts Projects

- 2011 **180 Tage of London**. With Nastasja Keller. *Da Heim*, Kunsthof Jena, Jena, Germany. Fixed sound/video installation.
- In Preparation**. With Athina Vahlar, Emma Redding, Mary Ann Huslak, Susan Sentler and Sarah Chin. IADMS (International Association for Dance Medicine & Science) conference, Birmingham. Interactive music and sound for dance performance.
- 2010 **The Scuttler**. With boyleANDshaw and Sam Belinfante. Institute of Contemporary Art (ICA), London. Live electronic music for live art event.
- A Hot Potato Against a Dark Background**. With Bruce McLean. Testbed 1, Battersea, London. Live electronics for multimedia opera featuring a potato, a ballgown, a hole, a moving goal mouth and a large collapsing fireplace.
- The Stowaway**. With Ivan Thorley. Puppet Showcase, by CETT, Central School of Speech and Drama and the Puppet Centre Trust. Battersea Arts Centre (BAC), London. HATCH, Little Angle Theater, London. Electroacoustic composition for puppet production based on Julian Barnes's *The Stowaway*.
- 2009 **Headlong**. Christopher Fox. Dartmouth College New Music Festival, USA. Programming of computer application for electroacoustic composition for oboe and electronics written for Christopher Redgate.
- 2008-2010 **Birdmachine**. With Ivan Thorley. Brisbane Festival, Australia, 2010, Third International Student Puppet Festival. Central School of Speech and Drama, London, 2009. Oxford House, Bethnal Green, London, 2008. Programming/composition of interactive computer system that includes generative music, sound, robotic movement and light design.

- 2008 **Walking Head Robot.** Stelarc. Walking Head Robot Project. Brunel University. Assessing sound possibilities of the robot, as well as using algorithmic systems to control robot's movement.

Selected Earlier Outputs

- 2007 **Spiricom.** With Nicholas Vass. Industrial warehouse, Bethnal Green, London. FKSE Studio, Budapest, Hungary. Digital signal processing (DSP) design for installation. Software inspired on devise by George Meek and William O'Neill.
- 2006 **Reinita amarilla termina en el charco**, for harpsichord, viola da gamba and recorders. World premiere and tour by The Roentgen Connection, Guarnerius, Belgrade, Serbia, Podchorazówka, Warsaw, Poland. Kings College Chapel, London, 2010. Kammer Klang, Cafe OTO, London, 2010.
Tussen aarde en hemenl, for piano, bass guitar, drum set, soprano saxophone, alto saxophone and trombone. World premiere and tour by Ensemble Klang, Bibliotheek, Maastricht, Arnold Kees van Baren Zaal, The Hague, The Netherlands. Sponsored by | Intro | in situ |.
- 2005 **Esférica Cantándote**, for large ensemble (2 fl, ob, eng.hn, 3cl, ssax, asax, tsax, bsax, bsn, cbsn, 2hn, 2tpt, 3tbn, 4 perc, b.gui, pno, 2vln, vla, vc, db). World premiere by the Ensemble Royal as part of the Klas Torstensson Festival, conducted by Hans Leenders, Arnold Schoenberg Zaal, The Hague, The Netherlands.
- 2004 **The Nolan's Supper.** *Inspired by the life and work of Giordano Bruno*, for singer, piano, clarinet, trombone, electric guitar, violin, double bass, recorder, percussion and electronics. World premiere and tour by Ensemble MAE conducted by Jussi Jaatinen, Korzo Theater, The Hague, Bimhuis, Amsterdam, Provadja Theater, Alkmaar, Lantaren-Venster, Rotterdam, The Netherlands.
Daddy, buy me a radio monkey. With Hee-Seung Choi. King's College Chapel, London, 2010. XI Festival de música electroacústica de Bogota, Colombia, 2009. VI Seminario de Composición Musical, San José, Costa Rica, 2008, Kees van Baren Zaal, The Hague, The Netherlands, 2006. Korzo, The Hague, The Netherlands, 2004. Video work.
- 2003 **Indefinite Ockeghem**, for percussion quartet. World premiere by Ear Massage Percussion Quartet, Schoenberg Zaal, The Hague, The Netherlands. Tour by RIAM Percussion Quartet, Brooklyn College of Music, Brooklyn NY, Lehman College of Music, Brox NY, Aaron Copland Music School, Queens NY, Fort Lee Music School, Newark New Jersey, CUNY Hall, Manhattan NY, 2011.

Current Research Projects:

ModImprov: Modularity, Immediacy and Exchange in Laptop Improvisation (2010-present)

Practice-based research on musical improvisation through laptop performance in interaction with live instruments. Main research output includes development of a computer environment for the SuperCollider programming language that combines live coding principles in a command-line style environment accessing different modules containing a variety of SC features. Research outputs also include album releases, conference presentations workshops and performances.

Research Outputs:

Album Releases:

Perro-chimp and Fiona Bevan [CD], with Javier Carmona and Fiona Bevan. Recorded in January 2013. Release Date: August 2013.

Perro-chimp and Dominic Lash [CD], with Javier Carmona and Dominic Lash. Recorded in January 2013. Release Date: August 2013. Squib-box.

Screech 'n' Glitch [CD], with Mark Hanslip, Dominic Lash and Philip Marks. Recorded in May 2012. Release Date: June 2013

Software Release:

ModImprov will be officially released in September 2013.

Computer Code:

ModImprov project @ Github. URL: <https://github.com/freuben/ModImprov>

ModImprov prototype @ GitHub. URL: <https://github.com/freuben/Instruments>

Conference presentation:

Modularity, Immediacy and Exchange in Improvisation using SuperCollider. SuperCollider Symposium 2012, April 2012.

Workshop:

Improvisation with Live Instruments using SuperCollider. SuperCollider Symposium 2012, Goldsmiths College, University of London, April, 2012.

Selected Performances:

Freedom of the City Festival, with London Improvisers Orchestra, Cecil Sharp House, Camden, London, May 2012

Live Algorithms Concert, SuperCollider Symposium 2012, Bar & Co, Temple Pier, Embankment, London, April 2012

DRR, with Dominic Lash, Ricardo Tejero and Tony Marsh, Servant Jazz Quarters. Dalston, London, November 2011.

Orwell Fragments, with Ingrid Laubrock (saxophone), Dominic Lash (double bass) and Federico Reuben (live electronics). Cafe Orwell, Brooklyn, New York, June 2011.

Squib-box Festival, with John Edwards (double bass), Javier Carmona (drums) and Federico Reuben (live electronics), Old Deptford Police Station, London, January 2011.

Live Weekends: Performance, etc., with Adam de la Cour (processed voice and guitar), Javier Carmona (drums) and Federico Reuben (live electronics), Institute of Contemporary Arts, London, May 2010.

On Violence, for piano, live electronics, computer display and sensors

(2009-present)

On Violence is a composition that combines generative music, improvisation, algorithmic composition, non-standard forms of notation and real-time scoring, machine listening, real-time data and sound analysis/processing, gesture tracking and computer networking.

Research outputs for this project also include real-time scoring software, an interactive/algorithmic music system, conference presentation, written and multimedia documentation and high-profile performances.

Research Outputs:

Selected performances:

22/11/2012 Rei Nakamura (piano), Piano+ Imatronik Festival, Zentrum für Kunst und Medientechnologie (ZKM), Karlsruhe, DE

10/11/2012 Rei Nakamura (piano), Interactive Keyboard Symposium 2012, Goldsmiths College, London, UK

Conference presentation:

On Violence: Augmented Performance, Interpassivity and the Aesthetics of Violence, Music and/as Process Symposium, CeReNeM, University of Huddersfield, June 2013 [accepted]

Score, Written, Audio and Video Documentation:

URL: <http://www.federicoreuben.com/research/onviolence/>

Computer Code:

On Violence Project @ GitHub. URL: <https://github.com/freuben/OnViolence>

Algorithmic Score @ GitHub. URL: <https://github.com/freuben/FedeLib/tree/master/AlgorithmicScore>

E-tudes: interactive performance and installation for 6 keyboards, Disklavier, live electronics and 200 headphones

(2009-present)

E-tudes is an interactive installation/performance exploring the notion of appropriating music within the immediacy of its performance. *E-tudes* is composed using the SuperCollider programming language and combines the use of live electronics, improvisation, real-time computation and generative music. Research outputs for this project include conference presentation; an interactive music system; audio and video recordings and written documentation.

Research Outputs:

Conference presentation:

Real-time Plunderphonics: Appropriating Keyboard Performances as they Occur.
International Keyboard Symposium 2012, November 2012

Score, Written, Audio and Video Documentation:

URL: <http://www.federicoreuben.com/research/e-tudes/>

Computer Code:

E-tudes Project @ GitHub. URL: <https://github.com/freuben/Etudes>

Selected performance/showcase:

Plundering Zizek and Silent Disco, Sound Source, Kings Place, London, June 2009.

Awards:

PRS for Music Foundation Live Connections Scheme, 2009.

Other Projects:

Forthcoming recordings and collaborations with squib-box: www.squib-box.com

Forthcoming live performances: www.federicoreuben.com/live/