Clarke, Michael, Dufeu, Frédéric and Manning, Peter

Interactive tools for the study of electroacoustic music composition methods: resources for teaching and learning from the TaCEM software

Original Citation


This version is available at http://eprints.hud.ac.uk/27147/

The University Repository is a digital collection of the research output of the University, available on Open Access. Copyright and Moral Rights for the items on this site are retained by the individual author and/or other copyright owners. Users may access full items free of charge; copies of full text items generally can be reproduced, displayed or performed and given to third parties in any format or medium for personal research or study, educational or not-for-profit purposes without prior permission or charge, provided:

- The authors, title and full bibliographic details is credited in any copy;
- A hyperlink and/or URL is included for the original metadata page; and
- The content is not changed in any way.

For more information, including our policy and submission procedure, please contact the Repository Team at: E.mailbox@hud.ac.uk.

http://eprints.hud.ac.uk/
Interactive Tools for the Study of
Electroacoustic Music Composition Methods

Resources for teaching and learning
from the TaCEM software

Michael Clarke
CeReNeM
University of Huddersfield
United Kingdom

Frédéric Dufeu
CeReNeM
University of Huddersfield
United Kingdom

Peter Manning
Music Department
Durham University
United Kingdom

Innovative Tools and Methods to Teach Music and Signal Processing international conference
CIEREC EA3068 / GRAME, Université Jean Monnet, Saint-Étienne, France, November 2-3, 2015
TaCEM: Technology and Creativity in Electroacoustic Music

Project funded by the UK’s AHRC (Arts and Humanities Research Council) from 2012 to 2015

Investigating the relationship between technological innovation and musical creation with a significant part of interactive software developments

Earlier software-led research at the University of Huddersfield

SYnthia (Synthesis Instruction Aid, 1994)
Calma (Computer Assisted Learning for Musical Awareness, 2000)
Sybil (Synthesis by Interactive Learning, 2004)

Interactive Aural Analysis

Jonathan Harvey’s Mortuos Plango, Vivos Voco
Denis Smalley’s Wind Chimes
Pierre Boulez’s Anthèmes 2

Michael Clarke, Frédéric Dufeu, Peter Manning, Interactive Tools for the Study of Electroacoustic Music Composition Methods: Resources for teaching and learning from the TaCEM software

Innovative Tools and Methods to Teach Music and Signal Processing international conference CIEREC EA3068 / GRAME, Université Jean Monnet, Saint-Étienne, France, November 2-3, 2015
TaCEM: Eight Case Studies from the Electroacoustic Repertoire

John Chowning: Stria (1977)
Barry Truax: Riverrun (1986)
Philippe Manoury: Pluton (1988)
Francis Dhomont: Phonurgie (1998)
Jonathan Harvey: String Quartet No. 4 with live electronics (2003)
Cort Lippe: Music for Tuba and Computer (2008)

http://www.hud.ac.uk/research/researchcentres/tacem/

Michael Clarke, Frédéric Dufeu, Peter Manning, Interactive Tools for the Study of Electroacoustic Music Composition Methods: Resources for teaching and learning from the TaCEM software

Innovative Tools and Methods to Teach Music and Signal Processing international conference CIEREC EA3068 / GRAME, Université Jean Monnet, Saint-Étienne, France, November 2-3, 2015
TaCEM: Eight Case Studies from the Electroacoustic Repertoire

John Chowning: *Stria* (1977)
Francis Dhomont: *Phonurgie* (1998)
Jonathan Harvey: *String Quartet No. 4 with live electronics* (2003)

http://www.hud.ac.uk/research/researchcentres/tacem/

Michael Clarke, Frédéric Dufeu, Peter Manning, *Interactive Tools for the Study of Electroacoustic Music Composition Methods: Resources for teaching and learning from the TaCEM software*

*Innovative Tools and Methods to Teach Music and Signal Processing* international conference
CIEREC EA3068 / GRAME, Université Jean Monnet, Saint-Étienne, France, November 2-3, 2015
Michael Clarke, Frédéric Dufeu, Peter Manning, *Interactive Tools for the Study of Electroacoustic Music Composition Methods: Resources for teaching and learning from the TaCEM software*

*I Innovative Tools and Methods to Teach Music and Signal Processing* international conference  
CIEREC EA3068 / GRAME, Université Jean Monnet, Saint-Étienne, France, November 2-3, 2015