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Interactive Tools for the Study of Electroacoustic Music Composition Methods

***Resources for teaching and learning
from the TaCEM software***

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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)

Trevor Wishart: *Imago* (2002)

Jonathan Harvey: *String Quartet No. 4 with live electronics* (2003)

Cort Lippe: *Music for Tuba and Computer* (2008)

Natasha Barrett: *Hidden Values* (2012)

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

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