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Original Citation

Clarke, Michael; Dufeu, Frédéric; and Manning, Peter (2015) Interactive tools for the study of electroacoustic music composition methods: resources for teaching and learning from the TaCEM software. In: Innovative Tools and Methods to Teach Music and Signal Processing Conference, 2nd November 2015, Saint-Étienne, France. (Unpublished)

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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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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*

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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)

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Barry Truax: Riverrun (1986)
Philippe Manoury: Pluton (1988)
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Cort Lippe: Music for Tuba and Computer (2008)

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