

Charles de Paiva Santana

Born in 4 may, 1986, Rio de Janeiro, Brazil

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EDUCATION

- 2012: **PhD student in Computational Musicology.** Co-supervised thesis between Université Pierre et Marie Curie (UPMC - Paris VI) and Universidade Estadual de Campinas (UNICAMP). Research laboratory: IRCAM and NICS.
- 2010 - 2012: **Master in Musicology.** “*Temporal processes in the work of Gérard Grisey*”. Federal University of Paraíba (UFPB), Brazil. Direction: Prof. Didier Guigue. Supporter: Coordination for the improvement of Higher Education Personnel (CAPES).
- 2004 - 2009: **Licenciante in Music.** Federal University of Pernambuco (UFPE), Brazil.
- 2008 - 2009: Diploma in Orchestration with Liduino Pitombeira. Laboratory of musical composition (COMPOMUS). Federal University of Paraíba.
- 2007 - 2008: Diploma in Composition with Eli-Eri Moura. Laboratory of musical composition. Federal University of Paraíba.
- 2003 - 2004: Studies in Early Music Performance and Recorder. Federal University of Pernambuco.
- 2003 - 2004: Studies in Piano and Musical Theory. Conservatory of Pernambuco.
- 2001 - 2004: Studies in Piano, Musical Theory, Music History and Harmony. Centre for Musical Creativity of Recife (CPCMR).

FURTHER EDUCATION

- 2010: IRCAM Computer-Music Workshop (Advanced Sessions). Centre Acanthes, Metz, France.
- 2009: IRCAM Workshop with Mikhail Malt and Emmanuel Jourdan, MIS Museu da Imagem e do Som, São Paulo, Brazil.

ACTIVITIES

Research Projects

- 2009: *Development of projects with OpenMusic.* Centre for Music, Musicology and Applied Technology (MUS3), Federal University of Paraíba.
- 2008 - 2009: *Compositional principles in the work of Gérard Grisey.* Centre for Music, Musicology and Applied Technology, University of Paraíba. Supporter: Brazilian Research Council (CNPq).
- 2008 - 2012: Contribution to the development of the SOAL library for OpenMusic (Sonic object analysis library), Centre for Music, Musicology and Applied Technology, Federal University of Paraíba.

Lectures

- 2012: *Analysis by Modeling and Creation of Musical Pieces's "Instances"*. Seminaire MaMux. IRCAM, France.
- 2010: *Música Espectral*. Fórum de Composição - Série Palestras Musicológicas. Federal University of Campina Grande (UFCG), Brazil.
- 2008: *Gérard Grisey: ecologia do som, turbilhão do tempo* (Gérard Grisey: sound ecology, vortex of time). CCHLA Conhecimento em Debate. Federal University of Paraíba.

Books

- 2012: De Paiva Santana, Charles; Guigue Didier. *Gérard Grisey e a Música Espectral: Manifestos e Ensaios*. Unpublished.

Articles

- 2009: *Análise Orientada a Objetos com SOAL e OpenMusic* (Object-Oriented Analysis with SOAL and OpenMusic). Unpublished.

Posters

- 2013: Santana, Charles; Guigue Didier. *The musical piece as an event of an open and complex system*.

Translations (FRENCH TO PORTUGUESE)

- 2010: Dufourt, H. "Música Espectral". *Revista Claves*. João Pessoa: Universidade Federal da Paraíba. Forthcoming 2012.
- 2010: Levy, F. "Gérard Grisey: Uma nova gramatologia provinda do fenômeno sonoro". *Revista Claves*. João Pessoa: Universidade Federal da Paraíba. Forthcoming 2012.
- 2009: Grisey, G. *Tempus Ex Machina: Reflexões de um compositor sobre o tempo musical*, Unpublished.
- 2008-2009: Radulescu, H. *Música dos Meus Universos*. Unpublished,
- 2008: Grisey, G. *Estruturação do Timbres na Música Instrumental*. Unpublished.
- 2008: Hervé, H.-L. *Na vertigem da duração: Vortex Temporum de Gérard Grisey*. Unpublished.

SOFTWARE/COMPUTER SKILLS

- Musical programming languages: OpenMusic, PWGL, Supercollider, CSound.
- General-purpose programming languages: Knowledge in Lisp, C++.
- Other musical software: AudioSculpt, Acousmographe, Modalys, Propellerhead Reason, Finale, Sibelius.

LANGUAGES

- Portuguese (native).
- French (fluent in speech, competent in writing and reading).
- English (fluent in speech, competent in writing and reading).