



**Thursday,  
May 2, 2013  
3:15-5 p.m. in U73**

Guest lecture in the seminar series  
**Topics in the Aesthetics of  
Music and Sound**

- arranged by **The Aesthetics of Music and Sound** – [www.soundmusicresearch.org](http://www.soundmusicresearch.org) – **Cross-Disciplinary Interplay between the Humanities, Technology and Musical Practice**; Institute for the Study of Culture, University of Southern Denmark -

<http://www.soundmusicresearch.org/seminarsspring2013.html>

## **An Application of Cycles to Twelve-tone Structures**

**Giacomo di Tollo**

PhD, LISIC -- Université du Littoral Côte d'Opale, Calais France.



**Abstract:** The work and activity of such composers as Schoenberg and his pupils, was important to the formalization of ideas that have been proposed in other contexts by other composers as well (such as Scriabin and Bartok).

The idea of building musical architectures over twelve tones has been a key point in developing combinatorial issues which can be tackled by using new paradigms stemming from various areas of research within artificial intelligence.

In this seminar, we will analyze some of those issues by using a piece of software developed by Giacomo di Tollo. This software was inspired by the ideas behind the theory of cycles and kaleidocycles as these have been expressed by composer Luigi Verdi.

**ALL ARE WELCOME!** 

**Audience participation via Skype is also welcome.**

**Please Note:** Giacomo di Tollo is giving the May 2 **Lunchtime Concert** on the Campus Square at the University of Southern Denmark at Odense. Please see <http://www.soundmusicresearch.org/lunchtimeconcerts.html> for details.