

Inspirations: new musical form, polystylism and multimedia

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PhD Thesis Abstract

Inspirations: new musical form, polystylism and multimedia is a commentary for the musical piece *Inspiration for orchestra and live electronics* written by Sebastian Ładyżyński.

The thesis describes creation process, with particular emphasis on cymatics – which is the main theme of the piece. What is more, *cymatics* as a study of visible sound and vibration is a great material for generating musical material on many levels, which this work confirms. The term *cymatics* is strictly connected with Ernst Chladni, a German physicist and musician from 19th century, which in western world is discoverer of Chladni patterns – sound figures generated on wooden or metal plates covered by sand using violin bow.

The musical piece, *Inspirations*, contains three different layers: instrumental, prerecorded and real-time generated electronics. All of them are complementary and connected with the main theme of the piece. Furthermore, the main problem of the piece is a superposition of different elements (polystylism), which do not have to be considered as eclecticism.

The thesis contains two parts: the first is devoted to polystylism and cymatics, the second is analytical one and it describes creation process as well as the most interesting elements of the musical form.

Keywords: Ernst Chladni, cymatics, vibration, Chladni plates, live electronics, orchestral music