

The Fryderyk Chopin University of Music, Sound Engineering Department

Ph.D. Thesis title: "Sound restoration in post II World War polish cinematography"

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ABSTRACT

This thesis is focused on digital sound restoration in polish movies made between 1945 and 2001. This period was picked specifically, because film made during this time were based on magnetic tapes. During my professional carrier I have restored over hundred movies from magnetic carriers, so this thesis will sum my experience in this particular field.

In the first chapter I would like to briefly summarize history and technology of analogue audio recording. This is crucial for further understanding of causes and solutions of problem encoutered during sound restoration.

In the second chapter I would like to summarize my experience as a sound restoration engineer, which I've been collecting since 2008. I would like to catalogue them by time of creation, technology and ever personality of creators and introduce solutions that were applied to specific problems.

Third chapter will be dedicated to two case studies: „*Weather forecast*” by Antoni Krauze and „*Duchess Cosel*” by Jerzy Antczak. I've picked those two titles to show different kinds of restoration and different approches and aims we set to the restored movie.

This thesis is a summary of a relatively new branch of sound postproduction, which is focused only on post 1945 period. Also is the first work based mostly on experience gathered during sound restoration.