

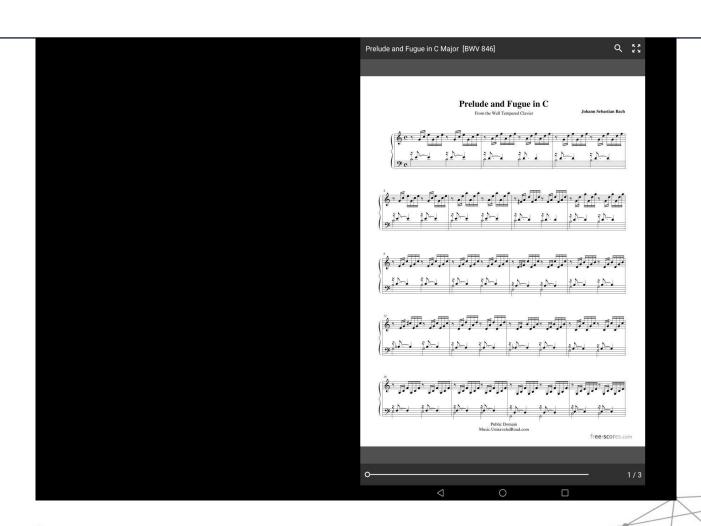
Prassi e strumenti nell'apprendimento musicale a distanza in supporto a sistemi di videoconferenza



GIORNATA DI INCONTRO BORSE DI STUDIO GARR "ORIO CARLINI" ROMA

Roma, 27/06/2019 Borsisti Day 2018

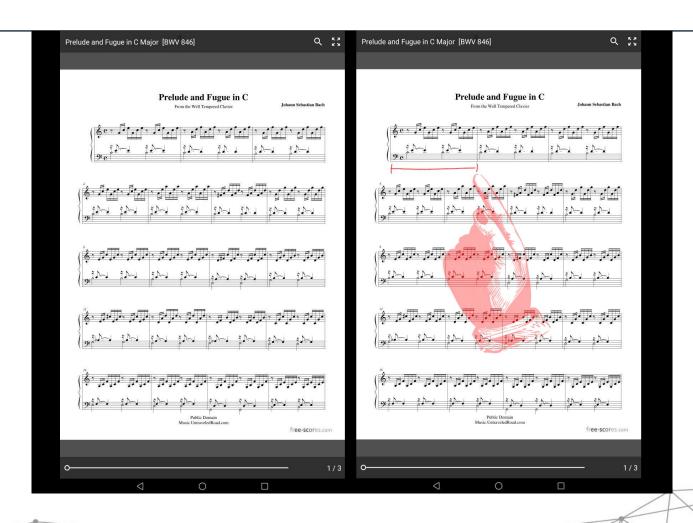




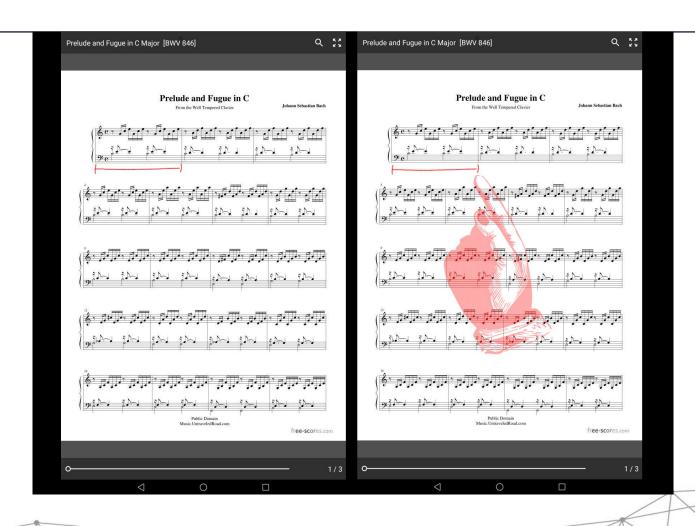




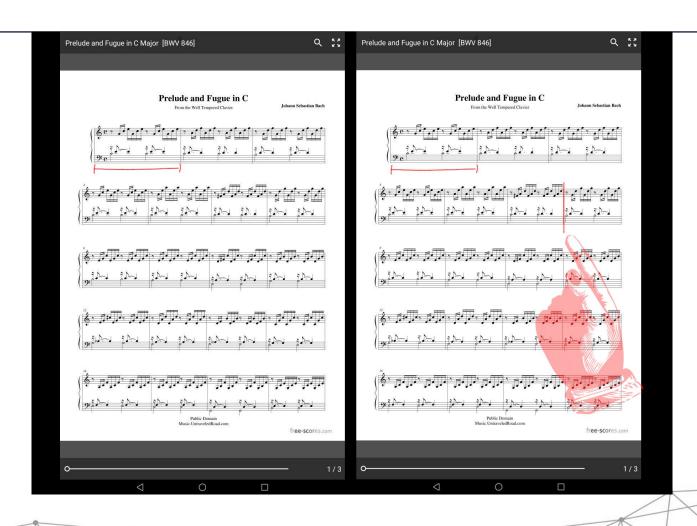




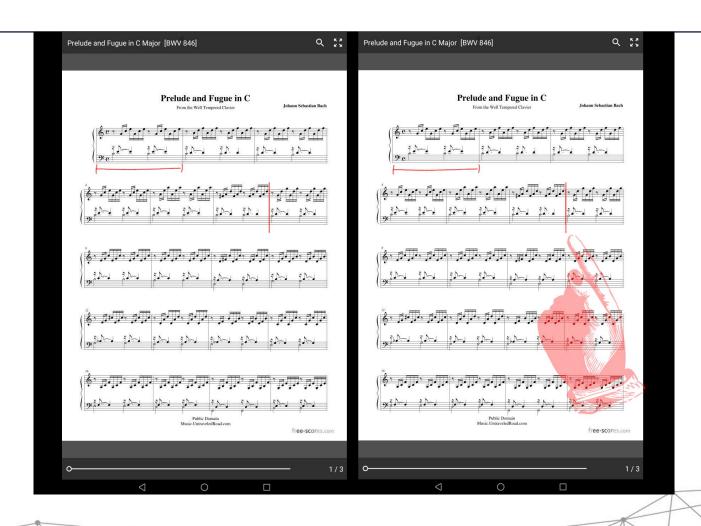




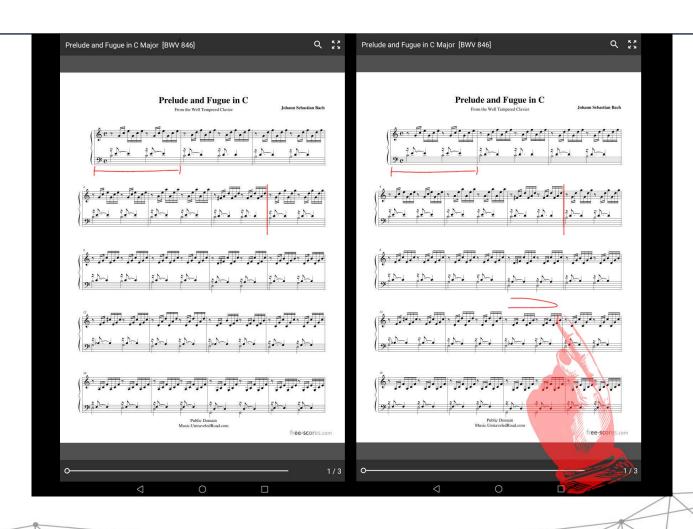




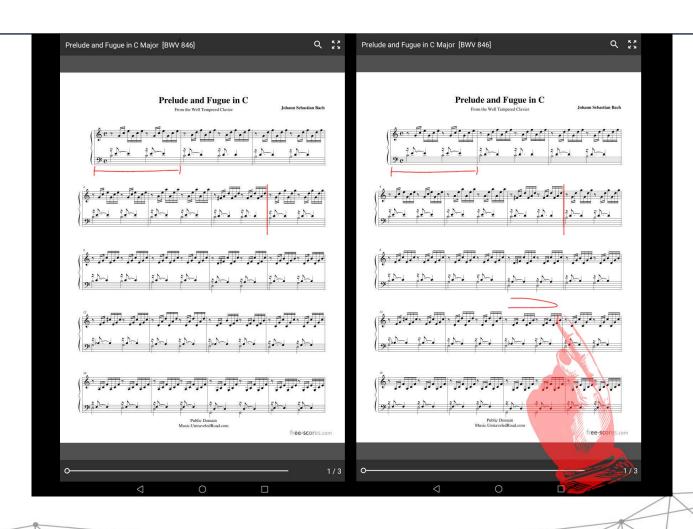




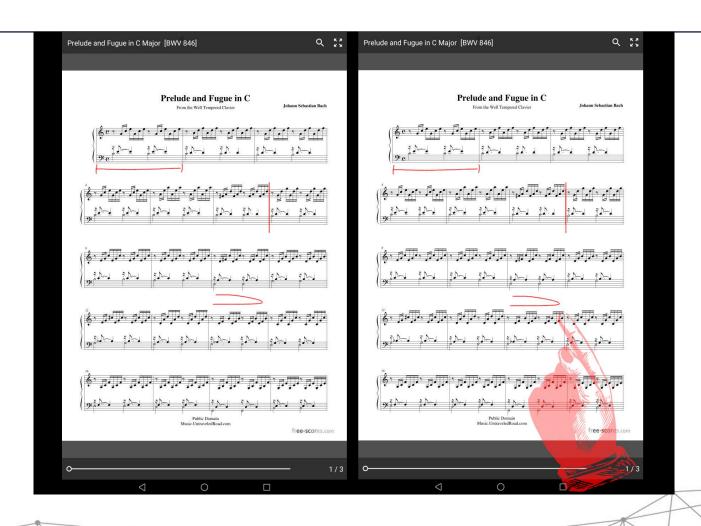




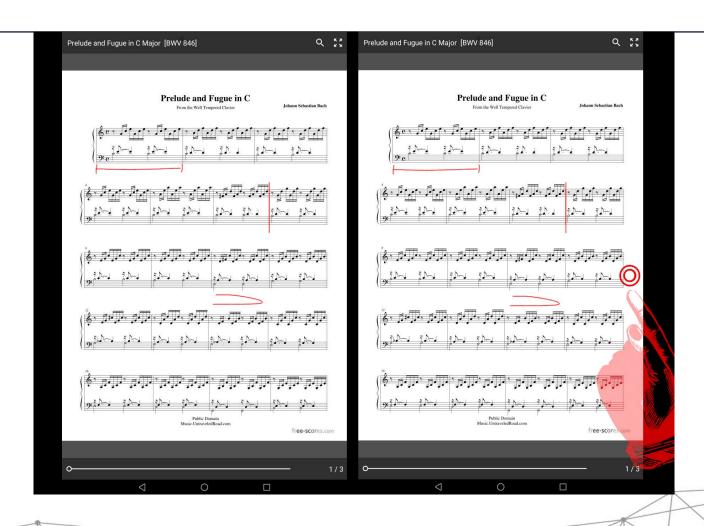




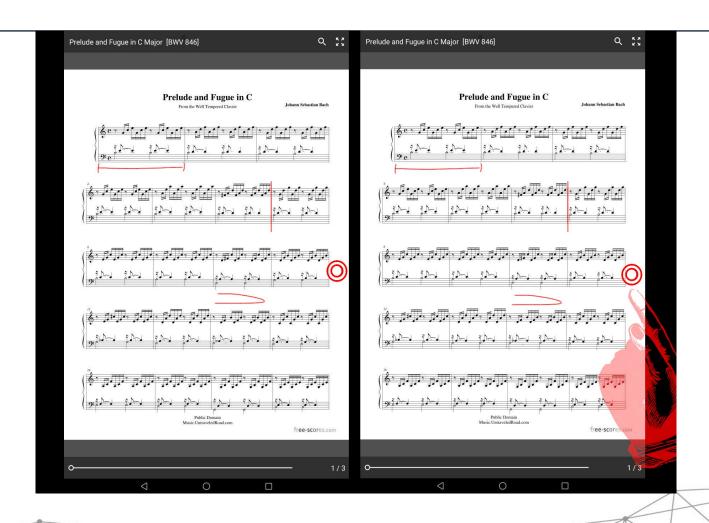






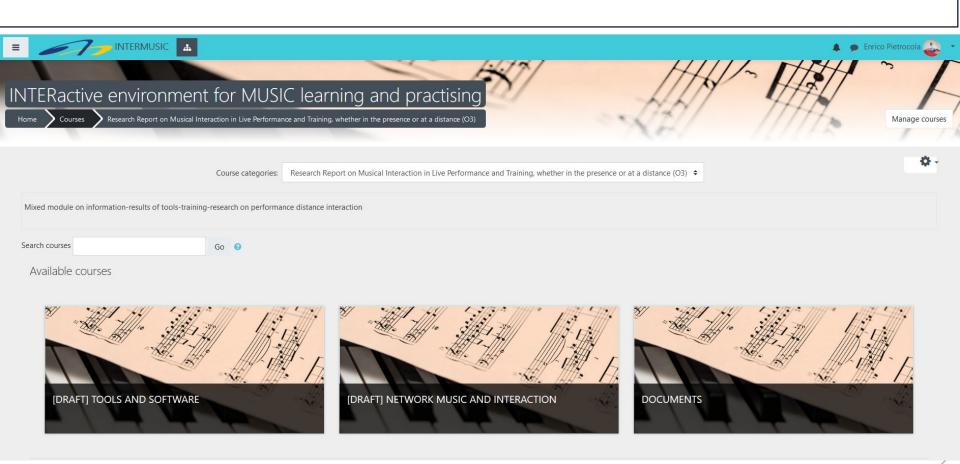








Moodle - Complementari







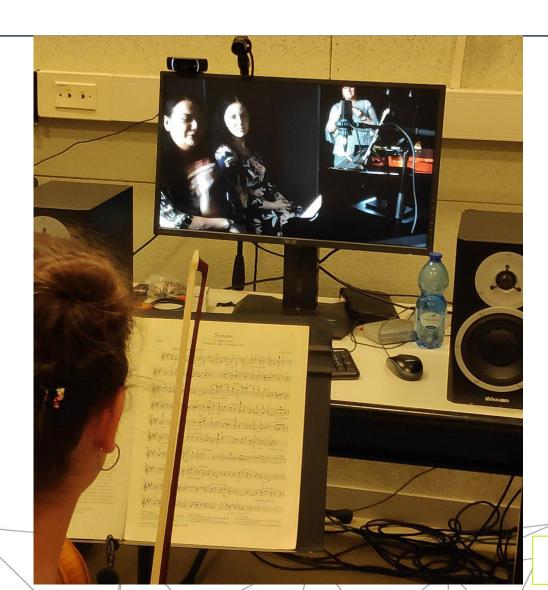
Test: Milano







Test: Vilnius







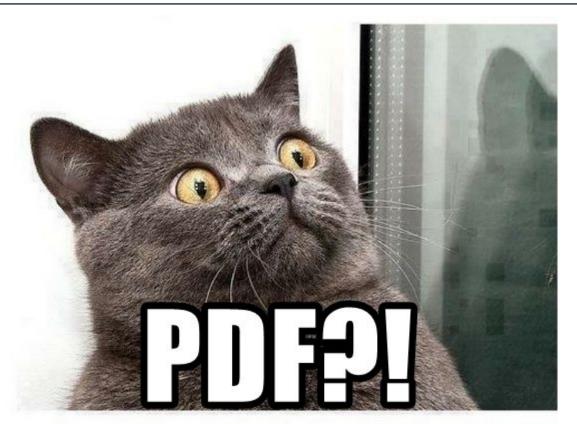
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ic 784	MILANO CLE	05:45	1587	
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EXP 1646	MILANO C.LE	96:33	135	
EXP 926	MILANO C.LE	97:98	225°	
EXP 1576	MESTRE	97:85	128"	
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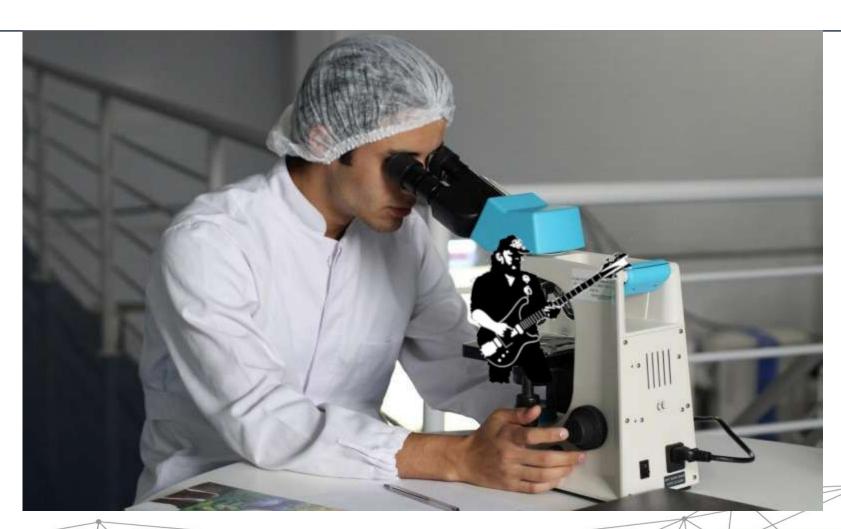
Problemi



memegenerator.net



Ma!





Articoli

Connecting document interaction to support music distance learning environments: development of a multipurpose, collaborative PDF reader for real-time sharing of navigation and annotations on sheet music

Enrico Pietrocola

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ABSTRACT

This paper presents the project of a real-time cooperative application for sharing and visualizing score or textual material in support of music distance learning and practicing which will be open source, easily accessible and executable thanks to its predisposition to run on common widespread devices and operative systems.

INDEX TERMS

Interaction, Distance Learning, Music Sheet, PDF, Annotations.

I. INTRODUCTION

Networked Music Performance (NMP) and overall Music making in cooperative environments is spreading quickly and during the last years we have seen many institutions adopting hardware and software technologies enabling musicians to play music in an almost seamless experience in terms of audio and video. A dimension that is usually missing from this environment is the complementary dimension of interaction on the score, which is in fact, usually physically shared in a traditional learning context, as for example during a piano lesson when studying side by side with a teacher. Developing an application able to display music scores and providing interaction tools shared between the participants to act as if the musical document is a single physical entity is surely a possible solution to the issue and might prove more effective than expected in improving the feeling of presence between the distance learners. Features range from brushes to synchronized page turning, layers for orchestras to stack scores in a single document and allow a director to have a single view in which annotations can be set on different

research and providing the needed material and musicians to test and evaluate the development and design of the app's first version.

Intermusic

In particular Intermusic is the place in which the idea for this project was born. Named after the concept of "Interactive Environment for Music Learning and Practicing" (Erasmus+ funded 2017 - 2020), aims to create an online shared Platform for that branch of distance learning dedicated to music teaching and practice that will enable modelling and sharing the best training practices for musicians as well as joint courses and online projects.

The two main objectives of Intermusic are:

- support online synchronous singing, instrumental solo performance and chamber groups classes where teachers and students interact in real time in an audio-video communication environment of the highest quality
- use and integrate methodologies and technologies of Blended Learning and Virtual Learning Environments in music higher education³

Therefore, the nature of this project is strongly related with Intermusic and its intellectual outputs.

Development planning followed the guidelines below:

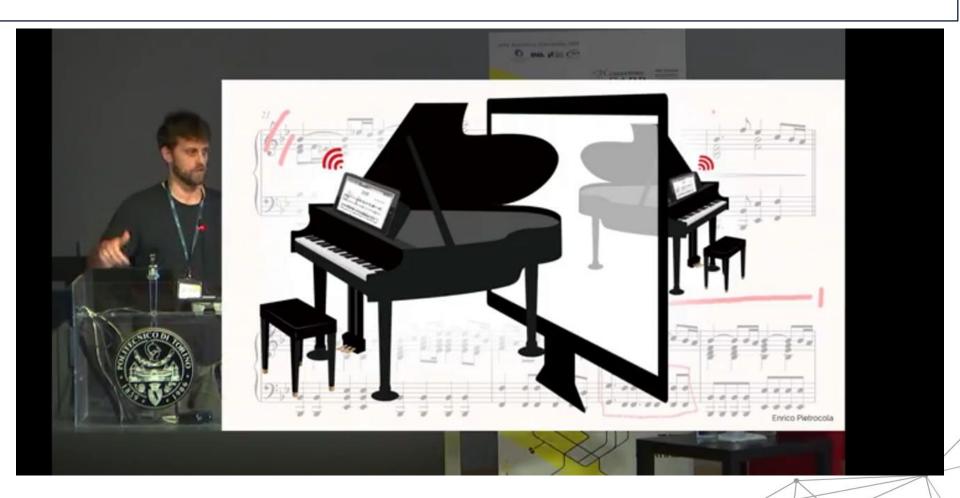
Guideline

- Open Source: further development after Version 1 will be carried and branched freely by anyone who wants to contribute to the project through a public repository system
- · Extendable: being the application open source will





Conferenza GARR 2019 Torino





TNC19





Sviluppi futuri

- 1. Ricerca su interazione uomo macchina/spartito
- 2. Implementazione funzionalità hole punch UDP
- 3. Implementazione OSC ed estensibilità
- 4. Focus Porting Windows
- 5. Strumenti complementari per l'apprendimento musicale a distanza
- 6. Doxygen
- 7. Ulteriore miglioramento generale grafico e di funzionalità dell'applicazione già esistente
- 8. (Valutazione Porting web)



Creare un servizio





Grazie