

Licenciatura em Engenharia Electrotécnica e de Computadores

Propostas de Estágio

2020/2021

Título: Interactive interface for online fruition of ethnomusicological multimedia content

Breve Descrição do Trabalho:

One of the challenges of current ethnomusicological research is to describe and explain a foreign musical culture to the large public. To this aim, multimedia material collected on the field and/or in the lab (audio, video, Motion Capture data) need to be organized in a attractive and user-friendly way, involving interactive animations which allow the user to understand the researcher's analyses of music and dance. In these multimedia environments, the user can, for example, switch from a video of a musical performance to an interactive presentation of the instruments played, the dancer's movements, etc. Examples of this approach are available in the web-page of the French Society for Ethnomusicology: ethnomusicologie.fr/plateforme-multimedia-sfe/.

The objective of this internship is to create a multimedia platform presenting the multimedia material related to an ongoing research on Maracatu-de-baque-solto, a Carnival performance taking place in northeast Brazil. The work will be developed in the context of a research project going on at the Instituto de Etnomusicologia (INET-md), and the the platform will be integrated into the project's Website: <https://www.help-md.eu/>.

Objectives include: a) Research the state of the art on ethnomusicological content visualization, browsing and navigation; b) Get familiar with the multimedia corpus obtained in the ongoing research on Maracatu; c) testing existing frameworks and tools and selecting the appropriate approaches; d) implementation of a prototype which allows the user to navigate the multimedia corpus in an interactive and user-friendly fashion.

Nome da Empresa: INESC TEC, Porto & Instituto de Etnomusicologia, centro de estudos em musica e dança (INET-md), Faculdade de Ciências Sociais e Humanas, Universidade Nova de Lisboa.

Endereço: o estágio deverá ser conduzido online

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