
CLAMTEC

Construction of a software to analyze historical metals from Ecorr time plots

OBJECTIVES

Our objective was to develop a software capable of making proposals of composition of any new metallic material examined by matching its electrochemical data measured according to a standardized protocol to those of the database of reference materials produced within the SPAMT-Test project.

PROGRAM

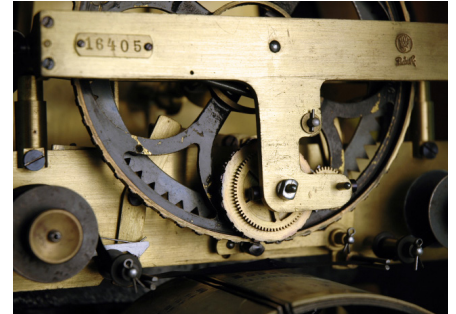
This project was a continuation of the SPAMT-Test project that ended in 2009.

The software created is combining the matching / rating tool and the automatization of the measuring process.

The portable tool constituted of the measuring system, including a multimeter controlled by the software and the SPAMT-Test database has been tested in-situ on a large group of artefacts (around 50) representative of the collection of the International Museum of Horology (La Chaux-de-Fonds) to validate its efficiency for the qualitative analysis of copper based alloys and precise the limit of its use.

USEFUL LINKS

- [Final report](#)



FUNDING

HES-SO, Réseau de Compétences Design et Arts visuels.

PROJECT LEADER

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PARTNERS

Haute Ecole Arc Ingénierie;
International Museum of Horology (MIH); La Chaux-de-Fonds

DURATION

2010-2011