
VISIONAIR TNA report

Dates

- 5 to 9 January 2015

Scientific guest

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Scientific local group participants

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- M. Rharda, Dpt IPSI, École Centrale Nantes, France

Main steps of the TNA

During the first stay of Romain Jeanneret, work had been done to improve different technologies for recovering shapes and colors of historical technical objects.

Taking into account the state of the object, comparisons had shown that many constraints due to the technologies employed result in various finalities.

During this second stay – which have been more shorten than the first one – the work about reverse-engineering using CAD software had continued.

Objectives were to create a methodology for capitalizing physical part of the cultural objects but also its environment.

To complete, studies have been done inside two museums and Nantes cathedral in order to understand better 3 complex old technical objects.

Results / work achieve

Previous stay have been discussed and finished; work had resulted in constraints that must be taken into account in the methodology. However, formalizing the methodology

is so complex. Work have began but is not net finish.

Perspectives / Work to be done in the future

As explained before, thanks to this TNA, a strong collaboration had been established. The collaboration allow to create common vocabularies and exchange best practices. A new project called Schema-Tec had been accepted and will be hosted by Romain Jeanneret team during two years.

Romain Jeanneret will apply for a project about 3D scanning of technical cultural heritage beginning autumn 2015. It will be introduce to an internal University of applied science of Western Switzerland (HES-SO) funds. A collaboration with IRCCyN is planned.

Scientific valorization possibilities thanks to the TNA

A scientific paper is in preparation. Both point of view will be developed and the communication published in both reviews: for mechanical engineering and also for cultural heritage.