Formation of a Multimedia System for the Guignard Research

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Abstract. The Multimedia System for the Guignard Research (MSGR) will leave available in the Internet an exhibition of the work of the modernist painter Alberto da Veiga Guignard (1896-1962), as well as the results of the Guignard Research. The system consists of a data base that will be used to manage all the information relative to inventory, work study, bibliography, artist's chronology and video interviews containing accounts by friends and acquaintances of the painter, etc.

1. Application

It was verified the need to develop auxiliary systems for the creation of the MSGR: the System for Obtaining Data (SOD) and the site of the Research. The aim of these systems respectively is to feed the Data Base with multimedia information and to get collaborators for the Research. The information provided by SDO can be accessed through the MSGR by the Internet.

2. Digital Conservation

The painter's stocked works are being documented in chromes of 35 mm (front, verse and details) and 120 mm (front). For the formation of reference images (4000 dpi), TIFF format images are being scanned (Nikon Super Coolscan 4000 ED), after calibrating the scanner with standard slide (Q-60E3 color calibration target-35mm Ektachrome film IT-8), followed by the use of the Vue Scan program that provides color quality with the superior definition of the scanner program. Copies for printing (300 dpi) and copies for Internet (72 dpi) in JPEG format are also available. Conventional photography and afterwards digitization were chosen due to quality, definition and costs (digital photography with high resolution has yet a very high cost).

3. Conclusion

The results of this work present great potential for social dissemination. The development of the multimedia information system for Guignard´s work could be used as a support to other institutions – universities, museums, research centers, etc., helping in the development of approaches for the constitution of digital collections and data bases.

Normal light

UV fluorescence, points out dark areas

Transversal Light, net of craquelles of the painting

Tangencial light, irregularities of the pictorial layer