

**Title:** Methods for automatic and assisted image annotation

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**Abstract:** Personal memories composed of digital pictures are very popular at the moment. To retrieve these media items annotation is required. During the last years, several approaches have been proposed in order to overcome the image annotation problem. This paper presents our proposals to address this problem. Automatic and semi-automatic learning methods for semantic concepts are presented. The automatic method is based on semantic concepts estimated using visual content, context metadata and audio information. The semi-automatic method is based on results provided by a computer game. The paper describes our proposals and presents their evaluations.

**Author Keywords:** Personal Memories; Media Annotation and Retrieval; Semantic Image Analysis; Tagging Games

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