

"LIFELOGGING - HOW FAR ARE WE FROM BEING ABLE TO EXPLAIN PERSON'S LIFESTYLE USING COMPUTER VISION?"

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Abstract:

The recently appeared technology of visual Lifelogging consists in acquiring images that capture our everyday experience by wearing a camera over long periods of time. The collected data have a number of potential applications since they could visualize the circumstances of the person's activities, state, environment and social context. However, due to the low temporal resolution of lifelogging data (2 up to 3 fpm) and to the huge amount of images collected over a long period of time (up to 100.000 images per month), extracting and locating relevant content from the collection represent major challenges that strongly limits their utility and usability in practice. The aim of this talk is to give participants insight into state of the art techniques for automatic analysis of visual egocentric data, and how to apply them to real world problems. After a brief introduction to the field of Lifelogging, the talk will focus on the goals of extracting meaningful semantic information and enabling fast and easy access to visual lifelogs content. At the end, applications to health will be discussed in order to illustrate the different techniques and approaches and to demonstrate their usefulness and applicability.