

SMART-IVC

Cities becoming alive

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Abstract

Cities are evolving: they are becoming bigger, they are always changing and, according to them, also the technology behind it must evolve.

Nowadays, both professionals and common users deal with big amount of data everyday. Whenever they need to look for something, they execute a query on some record that is either on paper or digital. The former is a slow and costly process that requires a lot of human resources and time. That is why computers came to the aid of people in order to speed up this process using digital resources. Unfortunately, both procedures usually lack of a visualisation feedback and, when it is provided, it lacks of interactivity.

From the union between the concept of “evolution of cities” and by the need to visualise and interact with large amount of data, SMART-IVC (Smart – Interactive Visualisation of Cities) is born.

The aim of this Bachelor Project is to create a Web Application that is an interactive visualisation of cities in the form of a 3D-environment in which the user can communicate with elements in the city and receive informations of every type from them. Examples are various: from the student who is looking for a rented room near his university, to the architect who needs to decide in which area he will build his next building.

SMART-IVC is an application accessible by everyone through the web that aims to enhance the city visualisation getting closer to the user needs.

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Advisor’s approval (Prof. Michele Lanza):

Date: