

3rd International Conference on

Computer Graphics & Animation

November 07-09, 2016 Las Vegas, USA

Representing 3D binary objects by means of relative chain codes

Hermilo Sánchez-Cruz

Autonomous University of Aguascalientes, México

Nowadays, research on 3D object representation for analysis, animation and recognition is a very active field. A three dimensional binary object consists of a set of connected voxels, either through their faces, edges or vertices. In order to perform shape analysis methods, as well as improving memory storage allocation, some chain codes have been proposed to represent the surface of such objects. For instance, in computer vision and pattern recognition has been proposed digital representation schemes for 3D discrete curves, by using the well-known absolute Freeman chain code, or the relative orthogonal chain codes, which are codes to represent face connected objects. Recently, a new relative chain code has been proposed to represent a 3D binary object, independently of connectivity. The different code schemes address some problems associated with invariance under affine transformations, like rotation and scale and also, with the suitability in performing storage memory efficiently. We analyze and explore how to solve such problems. In the conference talk, we also explore the application of 3D chain codes regarding the geometric structure of the objects, depending of face, edge or vertex connectivity, or a combination of them, particularly with skeletonized and volumetric objects.

herssan21@yahoo.com.mx

Web design for school management system in Ethiopia

Yonas Abebaw

PLC Company, Ethiopia

Web design is the process of creating website. It encompasses several different aspects, including webpage layout, content production, and graphic design. Web design is technically a subset of the broader category of web development. Hence, this study inquires the school management system in Ethiopia from the perspective of web design. Under in Ethiopia school management system, most of its recording is conducted manually and in a backward manner. Thus, it has aimed to replace the traditional manual paper into a web based system by using web design. This study was done by different data gathering tools; such as, interview which helps to get a required information in a greater detail on the existing system, document analysis, system development methodologies like object oriented analysis and design approach were selected to analyze. Development environment, programming and other tools were employed like CSS3, AJAX, JQUERY and PHP. Finally, from study conducted and the final result, Developing web design for school management system will be important for better usage of time and resources, some of them account management, batch and course management, student attendance management, class schedule management, exam schedule and exam data management and also it creates a room for communication of students' parent with school teachers, it avoids or reduces errors and most importantly to provide timely information for anybody who wants it. It is therefore i suggest any esteemed academic institutions to developing web design use betterment of information communication safely.

yoniantony@gmail.com