Application of RFID on Space Planning of Exhibition

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ABSTRACT

xhibition space for the distribution of the region, from the previous studies there are many solutions have been related to space planning to visit the wishes of the impact of visitors, visits to the quality, such as efficient and can dynamically adjust the allocation of space, there will be help to improve the visitors to participate in the exhibition of the results obtained with satisfaction, management can also be by a combination of science and technology to reduce the waste of human resources, more efficient management of the exhibition area. We will use RFID information retrieval accuracy and speed advantages, integrated management system used in the regional exhibition, the final space syntax can be used to determine the best settings of space to play a more efficient space management.

Main purpose of this study by wireless communication technologies such as RFID, wireless LAN, etc., on the basis of the construction of a regional exhibition of building management system model, the user registered in the RFID tag information, to carry on the body can be used as pass, exhibition tour in a time when RFID tags with mobile visitors, we will build RFID readers in every key area, the reader will be positioned close to the users of induction by RFID tags and reader feedback by The message management system and users can quickly record the location, time, you can use the information collected, in the shortest period so make the best of spatial planning of the area or exhibition space planning rotational reference.

Keywords : radio frequency identification、space planning、systems simulation

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