

國立中興大學圖書資訊學研究所

碩士學位論文

應用擴增實境於兒童資訊尋求行為  
之研究：以尋書定位為例

Children's Information Seeking Behavior: A Case  
Study of Book Locating Applying Augmented  
Reality

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## 摘要

兒童系統在統一本尋，研究之主要目的為了解目前兒童書套的定位與擴增實境對兒童型

為採本研採實驗研究法，並把兒童分為實驗組與控制組。實驗組又分為二組，導及國  
為採擴增實境尋書與定受試者總計有 76 位，就讀國小三至四年級的兒童。訪談  
一覽為輔的參與本研究。研究書寫任務，皆就讀  
小至四年期兒童，而受訪者總計有 44 位，就讀國小三至四年級的兒童。訪談  
過程以半年為期，結構訪談蒐集資料，並藉此了解其之資訊尋求行為。

時其之是課書費現先料借圖花發優資為訊或，一之的資率為第要目共確行為想之公正求人找館立

在尋家尋書國論訊，館圖解無資館書外了且童書圖校不上析為為其完位分道認，也定中管其義，書者之且意書尋訪訊，之圖在受資角法找童與找配類尋兒者尋之分的助卷在題書本幫問而問圖一能寫，決國本實填多解中一確從居是解上。境者動只了架式實究主館全書方增研以書完到架擴。機圖不常排現籌動而其最的發一之，其館研勝訊象難，童略資對困物兒皆找助點讀之間尋求有外館

國，解中上，甚號尋不書架索兒排解在何了境如式實本方增書的擴館學習用書學應。圖跳合等及唱適覽法用館導類兒童書館分兒圖書書讓共國圖好公或國，現讀中曲發閱號或驗數書片實、書影次書於學這尋對教經用者作。應試製等以受議法可於建類來由究分未研書議本圖建

【關鍵詞】擴增實境;尋書定位;兒童資訊尋求行為

## Abstract

The main purpose of this study is to identify with the problems from the book-locating and understand children find books with the help of augmented reality. Further, design a prototype system for children's book locating applying augmented reality and use this system to understand children's information seeking behavior.

This study uses experimental research and is divided children into experimental and control groups. Control group has to find books on its own and supplemented by instruction, while the experimental group uses augmented reality and smart watch to find books. After the activity is finished, all participants have to fill in the mission completion form and questionnaire. Then, they have a request for being interviewed by researcher. During the interview, the semi-structured interviews are used to collect information and to learn about their information seeking behavior.

This study finds that both accuracy and spend time on finding books by the experimental group are better than the control group, which means augmented reality is really helpful for children in finding a book. This study analyzes children's information seeking behaviors from the questionnaires and respondents, and finds that children's motivation to find information is mostly active. Children's access for finding information is the library, and their families are the first priority to ask for help. Children think that it's a little bit difficult to solve their problem and find the information which they want in the library. Children don't fully understand the meaning of the Chinese Book Classification Numbers. Children go to library's purpose is to borrow books. They mostly find a book one by one on the bookshelf. However, they don't understand how National Library of Public Information of Children's center arranges the shelving.

Owing to the participants didn't know much about the Call Number, Chinese Book Classification Numbers. This study recommends making videos or songs so that the children can learn the Call Number, Chinese Book Classification Numbers by means of singing and learning. This study also finds that the public library is suitable for applying augmented reality in children's book finding. This study suggests that book finding, digital reading or library navigation can be applied in the future.

**【Keywords】** Augmented reality; Book locating; Children's information seeking behavior