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COMP210- Research Journal

1507516

November 28, 2016

## 1 Introduction

This paper is focused on research into Augmented and Virtual Reality.

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## 2 Using Laser Projectors for Augmented Reality[2]

This paper explores the idea of using laser projectors as an alternative to Head Mounted Displays (HMD). The paper focuses on setting up laser projectors for industrial Augmented Reality applications [2].

In one of the proposed scenarios that this AR system could work well is for maintenance of complex tools and machines. For example the laser projector would project and highlight points on the tools where screws need to be fitted.

### **3 Possession Techniques for Interaction in Real-time Strategy Augmented Reality Games [3]**

This paper covers interaction techniques used in Augmented Reality (AR) for Real Time Strategy (RTS) games.

This paper introduces a new technique called “possession” which attempts to allow the player to manage a large force of RTS units without the user being confined to how fast they can move in the real world.

What possession does is it allows the player the ability to move inside the head of any of their units, and manage their forces from within that unit.

This technique is specific to the game they are calling “ARBattleCommander” which is an outdoor AR strategy game.

### **4 INJUSTICE: Interactive Live Action Virtual Reality Experience [4]**

### **5 A virtual reality-based multiplayer game using fine-grained localization [5]**

### **6 An Ant’s Life: Storytelling in Virtual Reality [6]**

This paper takes a new approach of integrating 2D art into a 3D environment.

### **7 Multi-player VR Game Built Upon Wireless Sensor Network [7]**

This paper presents a multi-player VR game that uses motion-tracking with a wireless sensor network to allow multiple players to play the VR game

together in the real world. This paper is based of a previous paper by [8]

## References

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