Introduction

both sides of the fence
It's not all about libraries
Our patrons may already be using them. This stuff is going to affect your job. Libraries are now IT-driven.

Why care?

ALTERNATIVE TEXT

THE AGENDA

Facial recognition  Mixed reality

Smart spaces  Implanted wearables
It’s already in U.S. airports

“Facial recognition technology is an important step forward for CBP in protecting the United States from all types of threats. Terrorists and criminals continually look for creative methods to enter the U.S. including using stolen genuine documents. The new facial recognition technology virtually eliminates the ability for someone to use a genuine document that was issued to someone else.”

Casey Durst
Director, US Customs and Border Protection

It’s already in police departments

Amazon Rekognition
Deep Learning-Based Image Analysis

It’s already in schools
It's already on social media

It's coming to baseball

Facial recognition tech used to scan for stalkers at Taylor Swift show: report

Security at a Taylor Swift show secretly used facial recognition technology on the crowd to look for 'Trolls' — her stalkers, a new report says.
It’s even available for cows

Major issues

Privacy  Unregulated  Bias

What about libraries?

Does facial recognition hold any value for us?
Mixed reality

The next step

https://docs.microsoft.com/en-us/windows/mixed-reality/mixed-reality

Mixed reality spectrum

Physical Reality
Augmented Reality
Mixed Reality
Digital Reality
Virtual Reality

The next step
Seniors’ driving ability tested with mixed-reality driving simulator

'Hector' helps study drivers’ reaction times.

The simulator, called 'Hector', is built into a car-based

Kratos to Introduce Mixed Reality Military Training Platform at I/ITSEC

SAN DIEGO, Nov. 26, 2019 (GLOBE NEWSWIRE) — Kratos Defense & Security Solutions, Inc. (NASDAQ: KRDO), a leading National Security Solutions provider, announced today that it will introduce its new Mixed Reality (MR) Simulation Platform at I/ITSEC, the world’s largest modeling, simulation and training event held this week in Orlando, Florida.

To meet the challenges of increasingly sophisticated weapons, tactics and readiness demands, DoD’s goal is to improve training effectiveness, deploy it rapidly and increase affordability while enhancing fidelity, context and safety. An increasing popular solution is Mixed Reality (MR), the next step in human, Synthetic and virtual training environments, that some learned called 'augmented'.

What about libraries?

Amazon Sumerian

Smart spaces
“Smart spaces” are ordinary environments equipped with visual and audio sensing systems that can perceive and react to people without requiring them to wear any special equipment.

Dec 30, 1996

What is a smartspace?

NOT smart spaces

$150 billion
Cities.

Buildings.

Homes.

Progression
The IDC [International Data Corporation] defines smart city development as the use of smart initiatives combined to leverage technology investments across an entire city, with common platforms increasing efficiency, data being shared across systems, and IT investments tied to smart missions.

Smart city: Louisville, KY

https://smartcircuitcbus.com/
What about libraries?

Implanted wearables
Replace keys & passwords
Act as a VCard
Store Bitcoin wallet addresses
Replace tickets

Unlock front door
Access computer

What about security?
Are they safe?

Benefits & drawbacks: both minor

What about libraries?

"We will likely be healthier, safer, more informed, and more connected, and we will continue to disagree over whether or not it matters if our privacy and autonomy was the corresponding cost..." - Haley Weiss, The Atlantic
The big take-aways

Thank you for listening!
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