



e-Hospital4Future - Building future through an innovated and digital skilled hospital

Easy use of virtual reality and augmented reality for Lifelong Learning in Healthcare

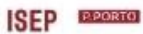
Joachim Gregoor (Hogeschool PXL , Belgium)

3th and 4th of December 2024

10:00

**Pauls Stradiņš Clinical University Hospital
Scientific institute (1st floor - meeting room)**

REGISTRATION



PORTO



Workshop: Easy use of virtual reality and augmented reality for Lifelong Learning in Healthcare

Dates: December 3rd and 4th at 10:00 AM

Location: Paula Stradiņš Clinical University's Scientific Institute (1st floor), Riga, Latvia

Global theme: Introduction to Virtual Reality, Augmented Reality, and Mixed Reality as tools to support healthcare workers in lifelong learning.

Lecturer Joachim Gregoor

Hogeschool PXL is a Belgium university of applied sciences and arts. PXL excels at developing courses related with digital skills, healthcare and nursing, being an active member of several ongoing projects.

03.12.2024 at 10:00 am (3,5 hours)

Theme: 360° Video is a simple way to capture reality and use it as a starting point for developing your own virtual reality application.

04.12.2024 at 10:00 am (3,5 hours)

Theme: With the combination of 3D Models and Fectar.com, you can build your own augmented reality application to support the learning process of healthcare workers.

Easy use of virtual reality and augmented reality for Lifelong Learning in Healthcare

Location

Riga

Date

3th and 4th of December 2024

Global theme

Introduction to Virtual Reality, Augmented Reality, and Mixed Reality as tools to support healthcare workers in lifelong learning.

Examples

VR Examples

Surgical procedure in the operating room:

<https://www.thinglink.com/view/scenario/1842489369059918501>



Waste sorting in the operating room

<https://www.thinglink.com/view/scenario/1855183100791751524>



AR Examples

Operating room screen control <https://share.fectar.com/NCNSH>



Medical models

<https://share.fectar.com/HSNZN>



Target Audience

Learning & Development Specialists:

- Training Coordinators
- Trainers and Educators in Healthcare

Technology Experts:

- IT Specialists in Healthcare

Software Developers specialized in VR/AR

Healthcare Providers:

- Physicians with an affinity for ICT
- Nurses with an affinity for ICT

Day 1

Session 1 (3,5 hours)

Theme

360° Video is a simple way to capture reality and use it as a starting point for developing your own virtual reality application.

Objectives

- What are VR and AR?
- What do you need to create a 360° video?
- How can you create a 360° video?
- How can you use ThingLink to play your 360° video?
- ThingLink makes it easy to enrich and publish content.
- Enriching 360° Video with ThingLink
- Building a Scenario with a 360° Video in ThingLink.
- Playing the Virtual Environment on a VR headset.

Day 2

Session 2 (3,5 hours)

Theme

With the combination of 3D Models and Fectar.com, you can build your own augmented reality application to support the learning process of healthcare workers.

Objectives

- What is a 3D model?
- How can you produce your own 3D model?
- Scanner with iPad Pro - Software: Scaniverse
- What steps do you need to follow to build augmented reality in Fectar.com?
- How can you publish the augmented reality to end users?