

Programming HoloLens 2 for new AR lab: Quantum cryptography



Ejvind Olsen

Description: The student lab at ITA is to be extended by a new experimental setup. In this, quantum cryptography will be covered in an analogy experiment. The instructions for the participants of the lab are to be given via augmented reality (AR) glasses, that will be worn during the execution.

Tasks:

- Programming of the AR instructions for action
- Implementing feature recognition (e.g., QR codes) and computer game-like elements
- Testing of the lab with the AR glasses

Concurrent with this position, another HIWI will be hired with a focus on AR programming.



From: May 2021

Type of work:

HIWI,
86 hours per month

Prerequisites:

- Independent way of working
- Fun with programming
- Interest in Augmented Reality

Further informations:

Institut of Transport and Automation Technology
Ejvind Olsen, Head of Optronics Group
E-Mail: ejvind.olsen@ita.uni-hannover.de