

Introduction to AVRAR

Applied VR/AR - Immersion, Accessibility
and emerging Trends

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Short CVs

Prof. Dr. Gerhard Hube

- Professorship Strategic Innovation Management since 2010 @ THWS, Director of Master's Programme Integrated Innovation Management, Head of Future Tech Lab at THWS Business School
- Research in Virtual Learning Environment and online learning, participation at ACHI in 2022 and 2023
- PhD at Fraunhofer Institut 2005 in Stuttgart, more than 10 years of experience as executive innovation-manager in industry and services

Prof. Dr. Nicholas Müller

- Research-Professorship Socioinformatics and Societal Aspects of Digitalization
- Head of the IDIS Institute
- Since 2017 @ THWS

Presentation 1

Hakan Arda, THWS

Evaluating digital avatars in VR - A systematic approach to quantify the uncanny valley effect

Presentation 2

Leenah AlMashari, Qawqaa, King Saud University

A System For Aural Verbal Rehabilitation For Children
With Cochlear Implant Using VR Game

Presentation 3

Gerhard Hube, THWS

Further Comparison of 2D Virtual Learning
Environments with Classic Video Conferencing
Systems for Tertiary Education

Projection on future challenges

- **Accessibility and Inclusivity**
Ensuring that VR/AR technologies are accessible to users with different abilities and promoting social inclusion by addressing usability, adaptability, and ethical considerations.
- **Ethical Considerations**
Navigating the ethical implications of VR/AR technologies, including privacy concerns, data security, and the potential for misuse.
- **Educational Integration**
Effectively integrating VR/AR into educational methodologies to enhance learning experiences.
- **Emerging Trends and Innovations**
Keeping pace with the rapidly evolving landscape of VR/AR innovations and critically assessing their future implications.

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