Avatar based Teaching and Learning
in the DAAD project MyScore

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„We are under the illusion that the mere content of learning materials - whether live or digitally made available - is able to unfold an educational effect in a mysterious way“

Quote: Prof. Rolf Arnold, Scientific Director of the Distance and Independent Studies Center (DISC) at TU Kaiserslautern
Current criticism of engineering education
Future Skills

**Digital Skills:** Digital interaction, professional and interdisciplinary collaboration

**Hybrid Skills:** ethical and socially competent action in the digital and analogue space

**Classical Skills:** Problem-solving and communication skills and adaptivness
Picture quote: Birnan
Eighth graders have not learned anything from digital competence

Obviously the possession of digital media does not enable them to deal with the media in a meaningful way.
… Media in everyday teaching: something is changing!

Today: Everyone gets the knowledge nugget that suits him/her !!!
… what teaching and learning scenarios do we design?

Role play citizen participation

Virtual Student and Lecturer Mobility

Improvement of application-oriented cooperation
Teaching and Learning Scenario: Role Play Citizen Participation
Free Open-source + Easy to Join

… Open Source Software
… Programming: JavaScript
... currently used platforms

... proprietary software, currently (still) free of charge

... Programming: Unity
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