

Digitization of Sacred Spaces Through Virtual Reality (DSS-VR)

Dr. Enes Yigitbas

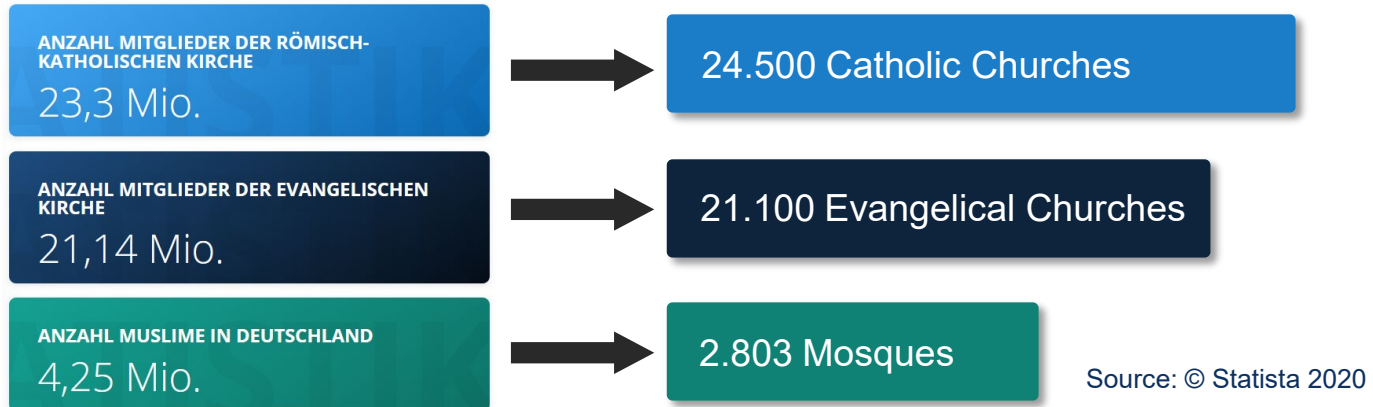
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UNIVERSITÄT PADERBORN
Die Universität der Informationsgesellschaft

SICP
Software Innovation Campus Paderborn

- Religion and sacred spaces play an important role in our society



- Sacred spaces represent important reference points for religions and offer many aesthetic and spiritual dimensions
- Interreligious dialogue as an opportunity for peaceful coexistence

Distance, travel and contact restrictions make it difficult to explore and experience sacred spaces.



Existing digital media (streaming, 360° tours, etc.) offer no or only limited possibilities for making sacred spaces interactive and to explore them collaboratively.

“What if the objects in synagogues, churches, mosques could speak? - What would they tell me?”

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An der Vorderseite werden
Porträts von Jesus, Maria
und Johannes gezeigt.

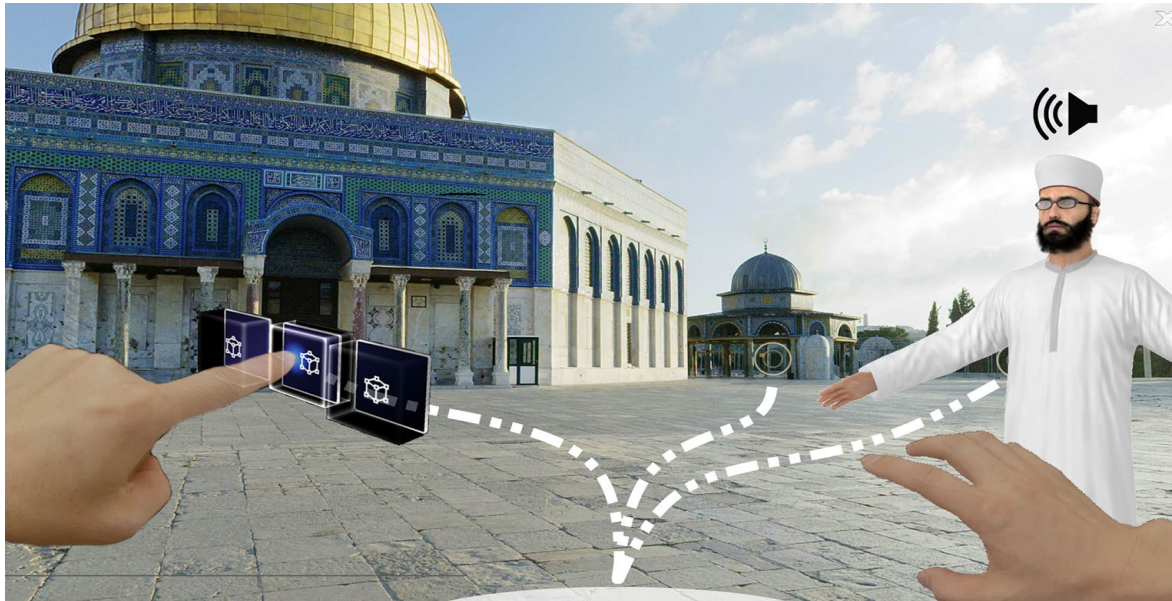


Der Hauptaltar steht im sogenannten
Chorraum Richtung Osten und ist der
zentrale Ort der Eucharistiefeier.

Interreligious dialogue virtually on site

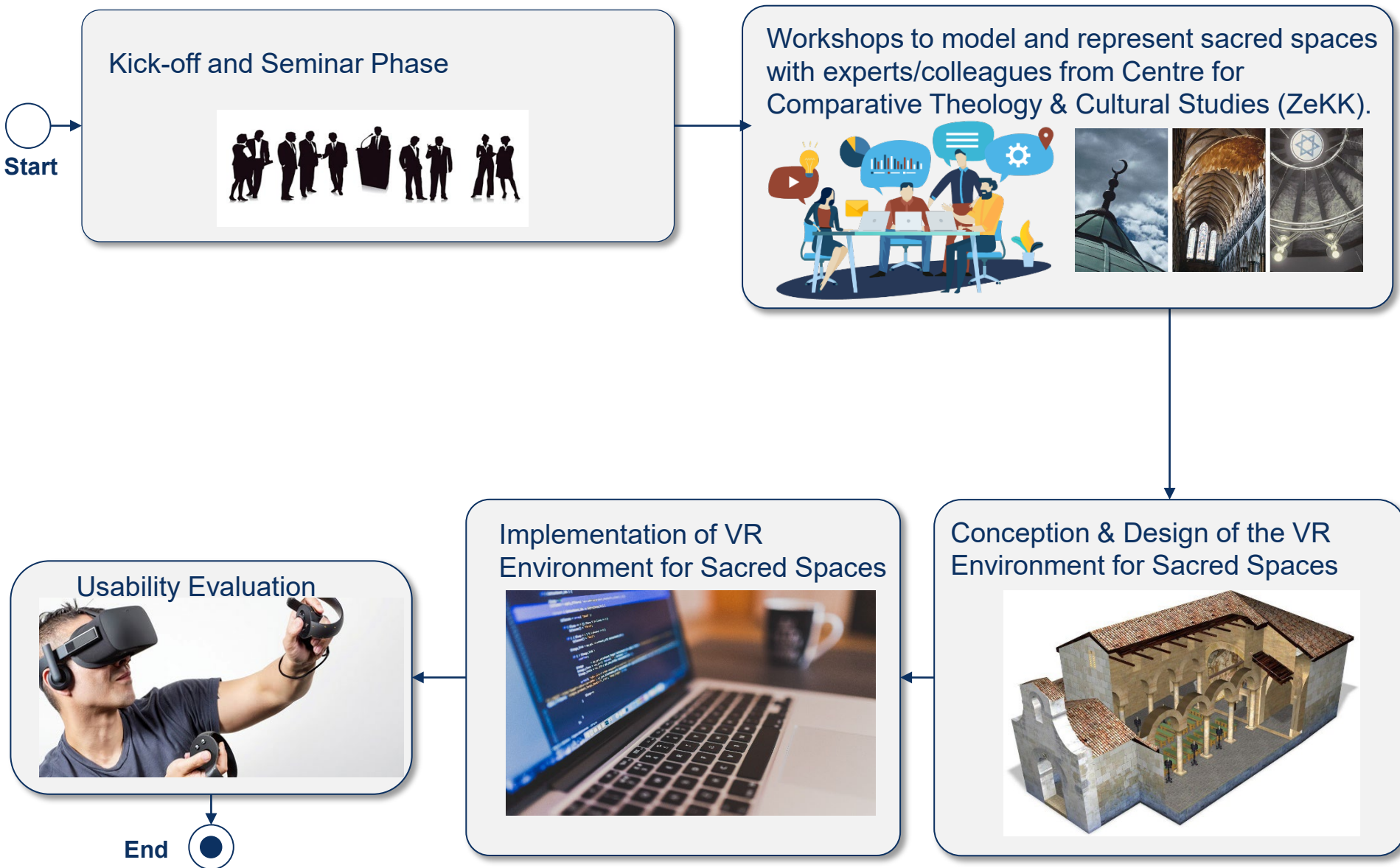
- religious places become interactive, can be walked through and experienced together
- „Coming to life“ of religious buildings and spaces

→ Make sacred spaces tangible and comparable as places of interreligious learning through interactive, collaborative VR applications.



- Information shown on the object through audio, text, image, 3D objects or video
- Representation of different users through avatars
- Travel to remote/inaccessible locations or time travel is virtually possible
- Religious practices and rites can be physically experienced and made comparable

Roadmap



Prerequisites:

- Sound programming skills in an object-oriented language, e.g. Java, C#
- Basic knowledge about the concepts of Augmented and Virtual Reality
- Motivation to work in an agile team, self-organize yourself, and be creative
- Formal requirements to participate in a project group

Optional, but helpful:

- 3D Modeling, experience with Blender
- 3D Programming, experience with Unity Engine

- We want to get to know you in advance!
- Describe yourself according to the following criteria...
 - Programming experience (languages, projects, ...)
 - Experience with VR and 3D programming?
 - Working experience (university, industry)
 - Lectures, seminars or other courses in the area of Software Engineering that you completed successfully
 - Working artifacts (AR/VR Demo-Apps, Assets, 3D Models etc.)
 - ... and last but not least: What do you expect from this project group? Why do you want to participate in this particular PG?
 - Submission via email to enes@mail.upb.de



- Ask questions after the presentations

- Contact us via email:

Dr. Enes Yigitbas

enes@mail.upb.de

- Visit our web page:

<https://cs.uni-paderborn.de/dbis/lehre/veranstaltungen/ws-2022-2023/project-group-digitization-of-sacred-spaces-through-virtual-reality-dss-vr>

Thank you for your attention!