

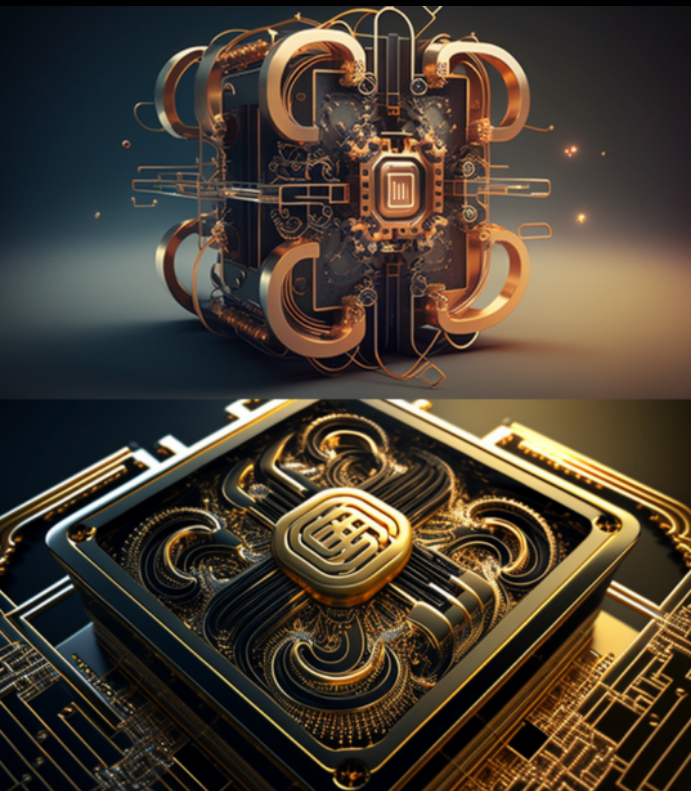
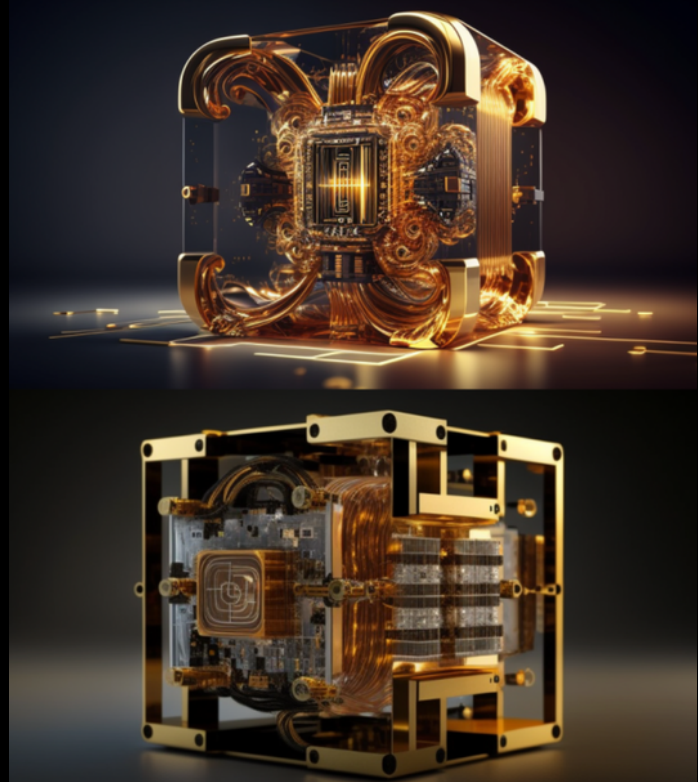
# QUANTUM SOCIAL LAB

## ART-DRIVEN INNOVATION MEETS QUANTUM TECHNOLOGIES SEMINAR

This semester we invite **you** to work on a **human-centered perspective on technology**. What do we need and want to know about quantum?

Within this seminar, we want to use **art** to change the view on quantum technologies. We invite **students of all faculties** to sign up for this experience consisting of three phases. You will design your **own project** in the intersectional area of art and quantum!

The winners will present their project at **PUZZLE X** Barcelona 2023!



The **interplay of art and technology** is an emerging topic in society: Immersive technologies bring traditional artworks to life. These technologies enable to bring culture to a new audience.



Are you ready for a **challenge integrating creativity, abstraction and complexity?**

Quantum Social Lab  
TUM Think Tank  
[fabienne.marco@tum.de](mailto:fabienne.marco@tum.de)



# PUZZLE X

CONTACT

# QUANTUM SOCIAL LAB

## THE MODULE CONSISTS OF THREE PHASES:

# 1

Within the module's first phase **(17.04. - 15.05.)**, we will work on different methods and case studies where technology and art come together, e.g., in different ways artists include technology. Furthermore, we will introduce other use cases and mechanisms focusing primarily on opportunities and challenges arising out of the Quantum world that can serve later as the starting point for the student's projects.

After the first phase of gaining an overview of **state-of-the-art applications** and discussions in the intersection between art and technology, we will match you into groups based on your interest in different topics and fields. The groups should be interdisciplinary but homogenous regarding their preferred working styles.

# 2

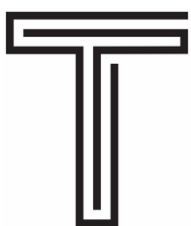
During the **second phase (16.05. - 19.07)** we will work together on the projects. In your teams, you will **develop an application, demonstration, performance, digital art piece, bot**, or whatever you want to enable a new view of Quantum technologies. We will provide frequent (group and individual) consultations discussing difficulties in the innovation process as well as discussions on how to deploy abstract thinking and models into something more understandable.

During this part of the semester, we will also visit the **XR HUB Bavaria**, and invite guest speakers on the current state of Quantum Development. The latter include stakeholders from companies, start-ups, and research.

# 3

In the project end phase **(20.07. - September)**, you will have more time to complete your projects. The examination will include your project and an essay explaining your initial idea, the theories underlying your framework, and its relevance for the field and further projects.

One highlight for you: We would like to exhibit the most exciting findings at **PUZZLE X 2023!**



TUM THINK TANK



Hochschule für Politik München  
an der Technischen Universität München

PUZZLE X



PARTNERS