

## DIG Interdisziplinäre Designpraxis VID/VIAD: Remote Materialities

Remote Materialities - Future Scenographies with Robotic Interfaces

### Angebot für

Bisheriges Studienmodell > Design > Bachelor Design > Design interdisziplinär > 4. Semester

Nummer und Typ	BDE-BDE-P-4035.21F.001 / Moduldurchführung
Modul	Interdisziplinäre Designpraxis
Veranstalter	Departement Design
Leitung	Lisa Ochsenbein (VID), Luke Franzke (VIAD), Maria Smigielska (VIAD)
Zeit	Di 23. Februar 2021 bis Fr 19. März 2021 / 8:30 - 17 Uhr
Anzahl Teilnehmende	maximal 22
ECTS	6 Credits
Voraussetzungen	4. Semester Bachelor Design
Lehrform	Interdisziplinäre Workshops mit Inputreferaten, Theorieunterricht und individuelle Projektarbeit
Zielgruppen	Bachelor Praxismodul für Studierende im 4. Semester
Lernziele / Kompetenzen	<ul style="list-style-type: none"> <li>- Students will work in interdisciplinary teams</li> <li>- They will gain theoretical knowledge in the following domains: state of the art in human robot interaction &amp; robots in creative applications in order to build a critical and creative approach to robotic technologies</li> <li>- They will gain practical knowledge on means of control a robotic device</li> <li>- Experiential learning process in cycles: Observation-&gt; Conceptualization -&gt; Experimentation -&gt; Experience</li> <li>- Concerning oneself with design processes and design potentials in the context of robotic technologies</li> <li>- Scenographic presentation of elaborated concepts</li> </ul>
Inhalte	<p>Robotic devices are leaving their industrial habitats and entering natural or constructed environments through varied remote or direct interfaces. How do we create and interact with and within the spaces shared by these new materialities and hidden agencies? What are the intermediate scenarios between the utopian and the dystopian visions of our coexistence? Might these interactions occur on an architectural scale (as in Price's Fun Palace) or a molecular one (as in Lem's The Invincible)?</p> <p>This year's interdisciplinary module theme is "Twilight". Twilight is literally a half-light, but it can describe a moment transition or a state of decline. Caught in the twilight, we can not know if we are waxing or waning, coming or going. Yet, we can celebrate and investigate this moment of flux, oscillating in between apprehension and elation, big and small, local and remote. As an interface between digital and physical, remotely controlled robotic arms are our engines of inquiry for these spaces in future scenarios of materiality, perception, creativity and living.</p> <p>This module combines both theoretical and practical inputs in an interweaving format. The course will consist of lectures by tutors and guest speakers, text</p>

studies and discussions in order to build a critical and creative approach towards HRI (human-robot interaction) and the state-of-the-art robotics within a spatial context. Those conceptual explorations will be complemented with remote experiments with a simple robotic platform installed within chosen contextualized dioramas at the ZHdK campus. Critical and creative approaches combined in this course allows students to develop concepts about robotics understood as “more of a bridge, than a destination” (Lord David Puttnam) to a broader understanding of our relationships with technology and the physical world.

In interdisciplinary teams, students will design and realize scenographies that unfold particular visions by combining panorama images, objects and animated robotic arms. These temporary, interactive dioramas unveiling their intention through time will be documented in a short video format.

Schedule:

Week 1 will be rich in both lectures and hands-on tutorials in order to work on conceptual development ( observation, conceptualisation)

Week 2 individual projects' development and mid presentation (experimentation)

Week 3 further projects' development (experimentation)

Week 4 installation at ZHdK campus and final presentation with jury (experience)

Leistungsnachweis / Testatanforderung	80% Anwesenheit und aktive Teilnahme am Unterricht. Erarbeitung und Präsentation der geforderten Teilaufgaben.
Termine	23. Februar - 19. März 2021 (jeweils Di-Fr)
Bewertungsform	Noten von A - F