

BERLIN
OPEN
LAB

hybrid plattform

BOL X Hybrid Plattform
Symposium II

January 26 2023

Universität der Künste
Einsteinufer 43, 10587 Berlin

9 AM-5 PM

Registration required at <https://pretix.eu/bol/symposium2/>



Universität der Künste Berlin



Symposium II

09:00

Welcoming

Prof. Dr. Gesche Joost, Christoph Gengnagel
UdK/Design Research Lab

09:15

Space and Sustainability
Keynotes and Q&A

10:30

Coffee Break

10:50

Sound and Movement
Keynotes and Q&A

11:45

Education and Empowerment
Keynotes and Q&A

12:30

Lunch Break

13:30

Hands on Session Projects by BOL, HCBC and BIFOLD

14:30

Coffee Break

14:45

Hands on Session Projects by BOL, HCBC and BIFOLD

16:00

Performance

Space and Sustainability

09:15 – 10:30

UdK, Einsteinufer 43, Foyer

Moderation: Prof. Dr. Michelle Christensen (ECDF)

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Symposium II

Minimal Mineral	Investigation of a digital process chain for functionally integrated and resource-saving mineral structural elements using additive manufacturing	Saqib Aziz (UdK)
Cap Ceilings revisited	A Fabrication Future for a material-efficient historic ceiling system	Saqib Aziz / Emil Brechenmacher (UdK)
Communication Patterns	Mapping the spatial and social programming of interior spaces	Markus Jacobi / Saqib Aziz (UdK / HENN Architects)
Virtual Thermal Space (GEnEff)	Innovative evaluation of building energy efficiency and innovative demonstration using climate chamber & VR	Kushagra Mathur (UdK)
EnergyMap Berlin	Online platform for the creation of a digital building-specific heat consumption map based on crowd-sourced data for the building stock of the city of Berlin	Alexander Küster-Inderfurth, Stefanie Segbers (UdK)

Sound and Movement

10:50 – 11:45

UdK, Einsteinufer 43, Foyer

Moderation: Prof. Kirsten Reese (UdK)

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ISS - Interwoven Soundspaces	Enhancing contemporary music ensemble practice through textile and network technologies for distant interaction.	Berit Greinke, Federico Visi, Codi Körner (UdK)
Piega Kn	Folded knitted sensors to detect body movement	Giorgia Petri (UdK)
Traffic Noise Quality Lab	Testing of psychoacoustic parameters for innovative noise reduction strategies with road traffic noise.	Moritz Schuck, Paul Schweidler (TU / HFC)
Autonomous Vehicle Assurance (AVA)	Sonic Interaction Design for Autonomous Vehicles	Stefan Weinzierl, Johannes Helberger (TU)

Education and Empowerment

11:45 – 12:30

UdK, Einsteinufer 43, Foyer

Moderation: Prof. Kirsten Reese (UdK)

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Digital Primer / fibel.digital	Speech-processing artefacts and apps for fostering of reading acquisition	Daniel Hromada / Hyungjoong Kim / Jung Hsu / Özcan Ertek / Orlando Helfer / Fedor Kosov / Taro Usami (DigiEduBerlin / UdK)
teacher.solar	Solarpunk artefacts for outdoor online learning	Daniel Hromada / Hyungjoong Kim / Jung Hsu / Nikoloz Kapanadze / Orlando Helfer
Minodu	Fostering local sustainable development through technology and research in West-Africa	Friederike Fröbel / Carina Lange

Hands on Session

13:30 – 16:00

UdK, Einsteinufer 43, BOL I

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Design + Critical Inquiry	Critical designing + making	Michelle Christensen, Florian Conradi, Ines Weigand, Berkay Soykan (Weizenbaum Institut, ECDF, UdK / TU)
personalized epithesis	Individualized epithesis through 3D technologies, built on the principles of open source	Dominique Bertisch (UdK)
BOOB TALK	A wireless bra for large breasts based on textile support structures	Hannah Friederike Fischer (UdK)
Social Wear	Integration of electronics in textiles	Esther Zahn, Clara Geiß, Emil Woop (DFKI)
Context	Digital wallpaper infrastructure for home iot	Katharina Lorenz, Bodo Pahlke (DFKI)
OTO - Urban Commuter	a micromobility vehicle for sharing services	Bodo Pahlke (UdK)

Hands on Session

13:30 – 16:00

UdK, Einsteinufer 43, BOL II + Garten

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CORALS	The project CORALS aims to create awareness about the climate crisis and ocean conditions by designing a kinetic sound sculpture that resembles a living coral ecosystem.	Marco Barotti (TU/BIFOLD)
XBPM - Leaking Bodies, Porous Minds, Melting Machines	Sensor and Actuator enhanced VR Multiplayer Game about Body Norms	Janne Kummer (UdK)
Rooftop House	Modular energy-saving house	Lucas Westermann, Werner "Max" Kaul (HCBC)

16:00 Performance

robotic worship

Audiovisual robotic performance:
algorithmic movement, sound and
fog

Christian Schmidts,
Anastasia Almosova