Curriculum Overview
Summer Semester
2024

Background: Otto Piene, Schwarze Sonne , 1962 – 1963

Bauhaus-Universität Weimar

Interface Design

Interface Design

Prof. Martin Hesselmeier

Mitarbeiter / Associates:

Brian Larson Clark
Jesús Velázquez
Clemens Wegener
Dr. Max Neupert
Funda Zeynep Aygüler
Martin Müller

Bauhaus-Universität Weimar

Interface Design

WHAT WE DO

We design, develop and implement interfaces and applications that enable and facilitate access to the digital world in interactive, networked and physical environments.

EDUCATION & RESEARCH TOPICS

Spatial Interaction

Physical, Tangible Computing

Architectural Interfaces

2D/3D Prototyping

Printed Electronics

Interactive Art

Location-based & Web Applications

UX/UI/Screen-based Interfaces

Interface Design

Online Course Presentations /
Modulbörse

Wednesday, 3 April 2024
2pm–3pm on BigBlueButton

Bauhaus-Universität Weimar

Interface
Design

Digitale Ressourcen / Digital Resources

IFD MediaWiki
Course Information

BISON
Official university course catalog and registration platform

Räumlichkeiten / Facilities

Marienstraße 5
Staff Offices, Sekretariat

Marienstraße 7b
Seminar Rooms, Studios
Electronics Lab
Prototyping Lab
Bauhaus Form & Function Lab

Electronics Lab
Prototyping Lab

Research and Production
of Functional Electronic
Prototypes

Bauhaus-Universität Weimar

Interface
Design

bffl
Bauhaus
Form & Function
Lab

facilitates the research of innovative haptic interfaces and functional prototypes for digital applications and services.

Bauhaus
Form &
Function
Lab

Bauhaus-Universität Weimar

Interface
Design

bffl
Bauhaus
Form & Function
Lab

Screen printing and LPKF laser for printed- and 3D electronics prototyping.

Bauhaus
Form &
Function
Lab

Bauhaus-Universität Weimar

Interface
Design

Interface Design Modules

2024

Bauhaus-Universität Weimar

Interface Design

TEACHING AREA / KEY WORDS

SUSTAINABILITY

ENERGY SOURCES

RENEWABLE ENERGIES

SUN

SOLAR SYSTEM

NATURE

ENERGY HARVESTING

UPCYCLING

FUTURE-ORIENTED

Bauhaus-Universität Weimar

Interface Design

Sustainable Futures

Project Module MFA,BFA

Sustainable Futures – Interactive Objects

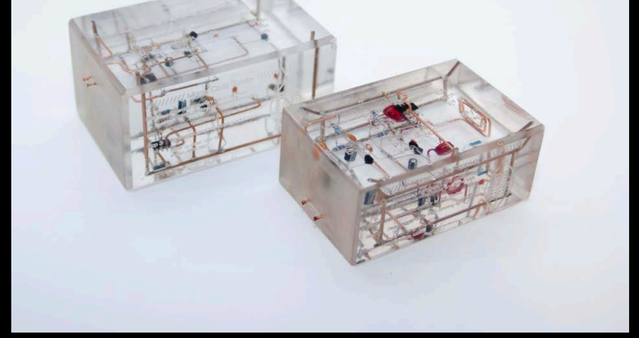
Prof. Martin Hesselmeier
Tuesdays 09:15-12:30
Marienstraße 7 B - Seminarraum 104

BISON No. 324120031
martin.hesselmeier@uni-weimar.de

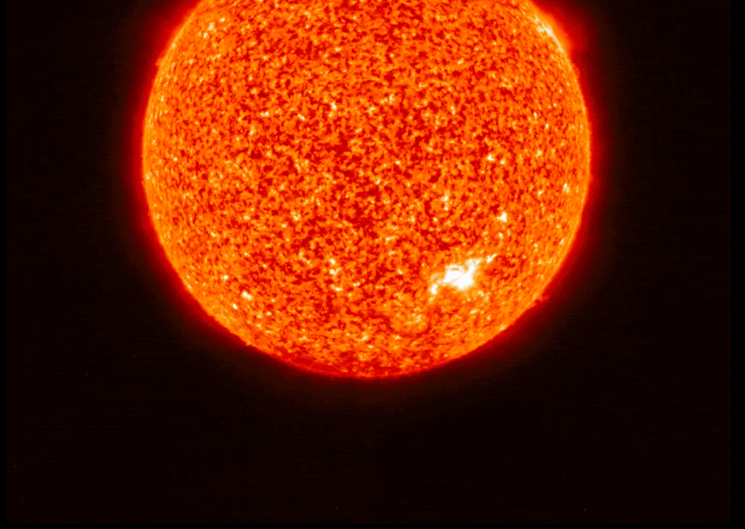
Bauhaus-Universität Weimar

Interface Design

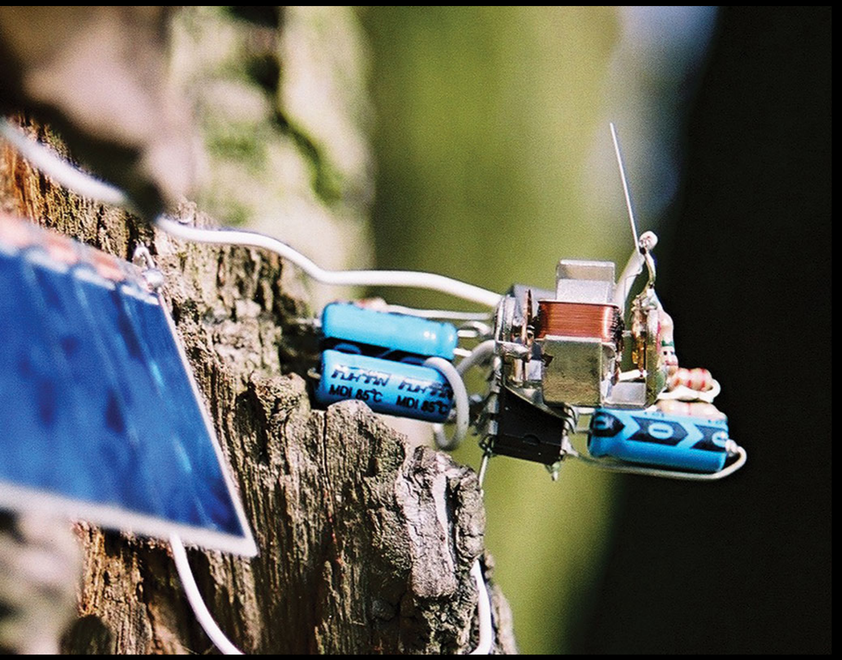
Lecture



Jelle Reith
Morse Radio



ESA's Solar Orbiter



Elf: electronic life forms
Pascal Glissman, Martina Höfflin

Björn Schülke
Mirror Machine #17 + #15
2016

Sun Visor Speaker Radio
Museum of Solar Energy

Artist Talk
Alex Nathanson

- https://alexnathanson.com/

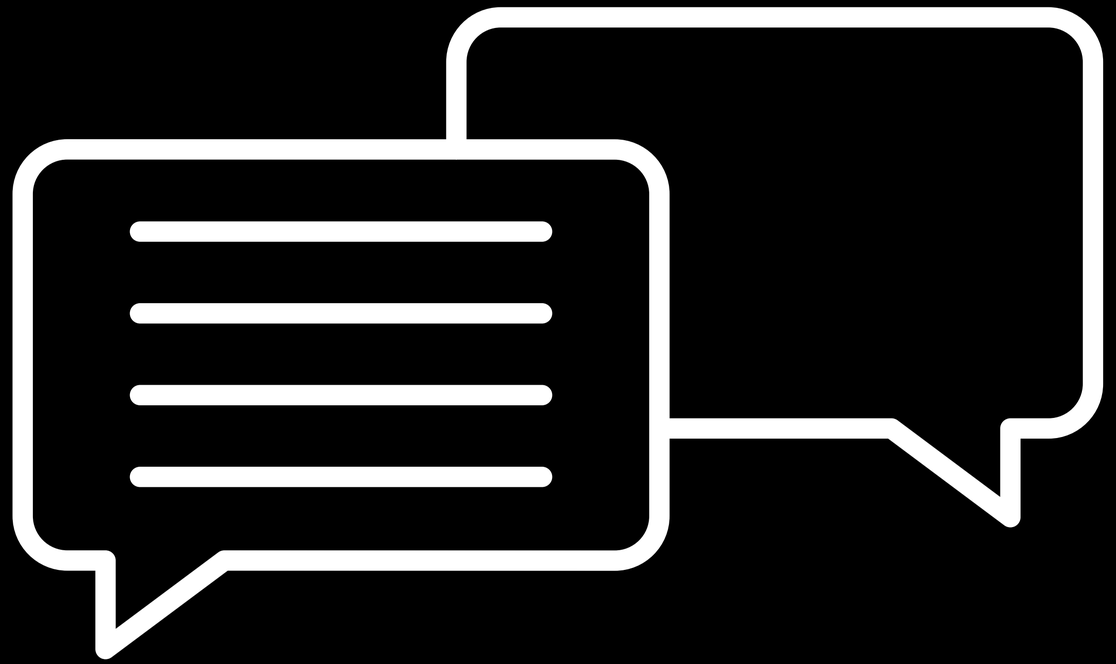
Workshop
Christoph Noe

- https://on-guitars.com/
- https://www.shapertools.com/en-gb/

Workshop
Christoph Noe

- https://on-guitars.com/
- https://www.shapertools.com/en-gb/

Consultation

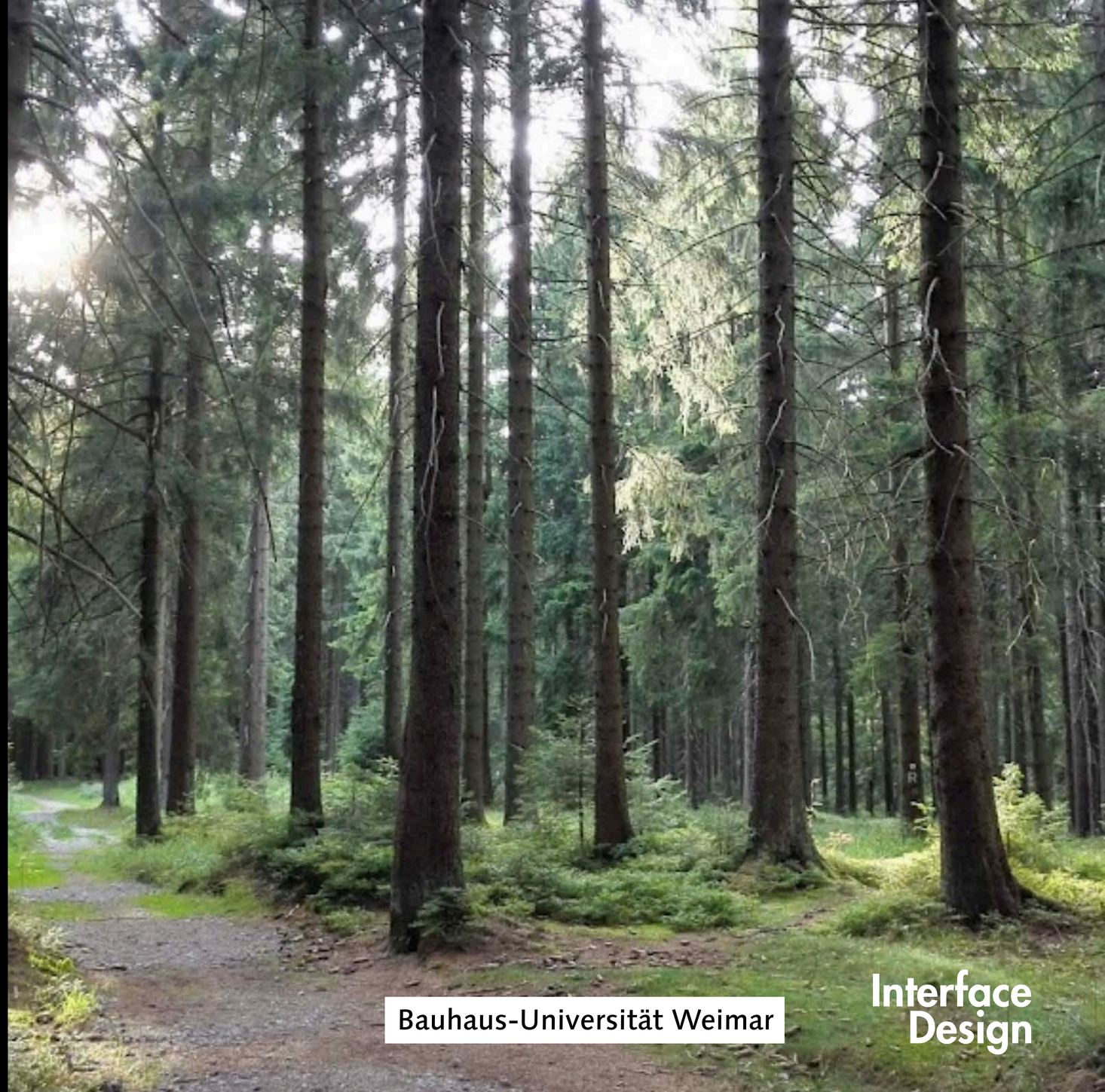


Excursion

17.06.-21.06.2024
Haus Rosenbaum

Hiftenberg 3
98724 Neuhaus am Rennweg
(OT Siegmundsburg)

https://www.haus-rosenbaum.de/



Bauhaus-Universität Weimar

Interface Design

Exhibition Spiegelarche

- https://www.spiegelarche.de/

Fachmodul BFA/MFA

Solar Sound

Clemens Wegener
Tuesdays 15:15-16:45
Marienstraße 7 B - Seminarraum 104

BISON No. 324110044
Clemens.wegener@uni-weimar.de

Björn Schülke, Idiophon #2, 2011

Bauhaus-Universität Weimar

Interface Design

Fachmodul BFA/MFA

Digital Realms: Photogrammetry and Sustainable Narratives

Jesús Velázquez MFA, Dipl. Künstler
Mondays 13:30-16:45
Marienstraße 7 B - Seminarraum 105

BISON No. 324110006
jesus.velazquez@uni-weimar.de

Bauhaus-Universität Weimar

Interface Design

Digital Realms:
Photogrammetry and Sustainable Narratives

In this hands-on course, students will delve into the fundamentals of photogrammetry workflows as a foundational step in transitioning from the physical realm to digital 2D and 3D environments. This course emphasizes practical skills in working with photogrammetric equipment, primarily digital cameras, and mastering specific processes to extract precise geometry and positional data. The acquired knowledge will empower participants to recreate real-world objects and scenarios within a virtual three-dimensional space.

An exciting addition to the course content is the exploration of the topic “Sustainable Futures”. Participants will engage with terrestrial and aerial datasets, employing innovative strategies to create immersive experiences that intersect with digital heritage archives. By addressing the intersection of technology and sustainability, students will develop a comprehensive understanding of how their work can contribute to more environmentally conscious practices in the field.

Bauhaus-Universität Weimar

Interface Design

Fachmodul BFA/MFA

Physical Computing: Harvesting Sustainable Futures

Brian Larson Clark
Mondays 17:00-20:30
Marienstraße 7 B - Seminarraum 104

BISON No. 324110050
brian.larson.clark@uni-weimar.de

Bauhaus-Universität Weimar

Interface Design

Fachmodul BFA/MFA

Generative AI in Physical Production

Funda Zeynep Aygüler
Mondays 13:30-16:00
Marienstraße 7 B - Seminarraum 101

BISON No. 324110041
funda.zeynep.aygueler@uni-weimar.de

Bauhaus-Universität Weimar

Interface Design

Generative AI in Physical Production

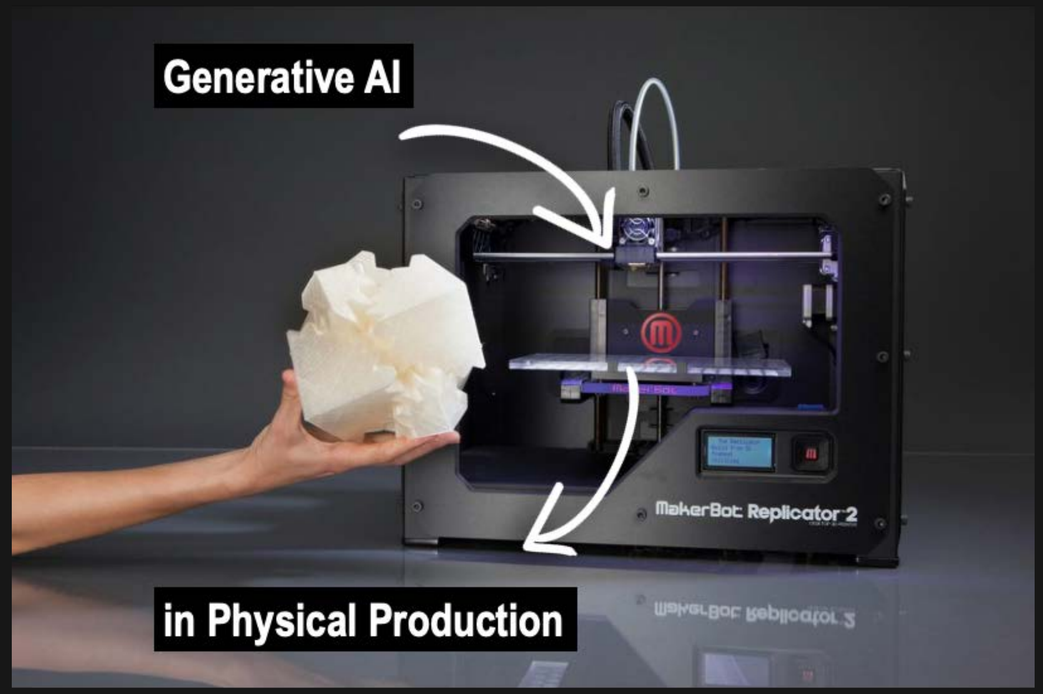
- Understanding dynamic and iterative exchange between humans and machine learning systems, experimental domain of generative AI and quickly changing landscape of models, datasets, tools, services, interfaces.

- Investigating the complexities presented by non-transparent interfaces, and exploring the open-ended and indeterminate future of generative AI applications.

- Getting knowledge in additive manufacturing techniques, materials, developing fabrication technologies.

- Developing an experimental pipeline from generative AI to physical production.

- Creatively involving practical work, and overcoming obstacles in the process of producing physical objects.



Fachmodul BFA/MFA – Bauhaus.Modul

I Puke. Now There's Something Else on the Table – Subversive Performative Practices

Martin Müller Wednesdays 13:30-16:45
Bauhausstraße 15 - Kinoraum 004

+++ Full day workshop with Shalva Nikvashvili on Friday, May 3rd +++

BISON No. 324110025
martin.mueller@uni-weimar.de

Bauhaus-Universität Weimar

Interface Design

Colloquium BFA/MFA

Prof. Martin Hesselmeier
Brian Larson Clark
Jesús Velázquez
Clemens Wegener

Wednesdays, Time and Dates TBA
Marienstraße 7 B - Seminarraum TBA

martin.hesselmeier@uni-weimar.de

Thank you
for listening

Bauhaus-Universität Weimar

Interface
Design