This page covers basic and advanced topics for Physical Computing.

- Electronics Basics
- Bread Boards
- Arduino Basics
- Arduino Programming
- C++ (Arduino) Variables
- Digital Outputs
- Digital Input
- Serial Communication
- Pulse Width Modulation
- Analog Input
- Analog Sensors
- Arduino and P5.js
- Arduino und Processing
- Transistors as Switches
- Relays as Switches
- Signal Filtering

Components

- Actuators and Outputs
- LED
- Resistors
- Capacitors
- Servo Motors
- H-Bridge
- Voltage Regulators

Electronics Advanced

- RFiD
- I2C
- SD Karten
- Energy Harvesting
- Interrupt Service Routine
- Stepper Motor Drivers
- Pololu Servo Controller
- Lynx Smart Motion Servo
- Bit Shifting
- Shift Registers
- Finite State Machine
- Arduino USB HID (Human Interface Devices)

Tools

- Eagle
- Aesthetic elements in Eagle
- PCBs Herstellen
- Carvey
- PCB Manufacturing
- PlatformIO

From:
https://wiki.zhdk.ch/iad/ - **IAD Wiki**

Permanent link:
https://wiki.zhdk.ch/iad/doku.php?id=electrical_engineering

Last update: **2026/01/09 11:02**