

Introduction to Electronic course series



Basics of Electronics - Introduction

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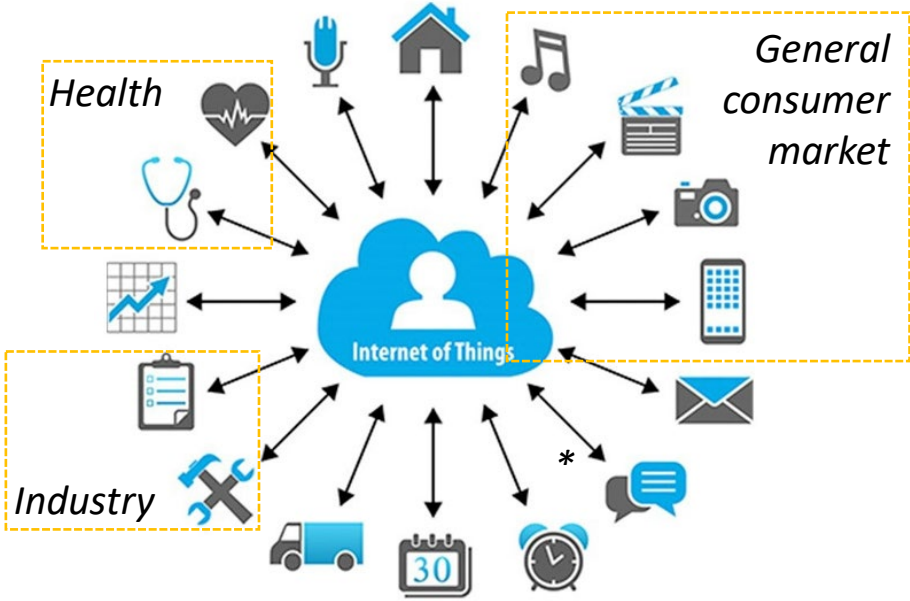
Aalto-yliopisto
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Electronic systems are everywhere

Autonomous cars



Space



Smartphones



Wearables



VR



*Source: <https://justcreative.com/2018/11/19/internet-of-things-explained/>

Understanding electronic systems with our courses

Basics of Electronics, Period I-II (Year 1)

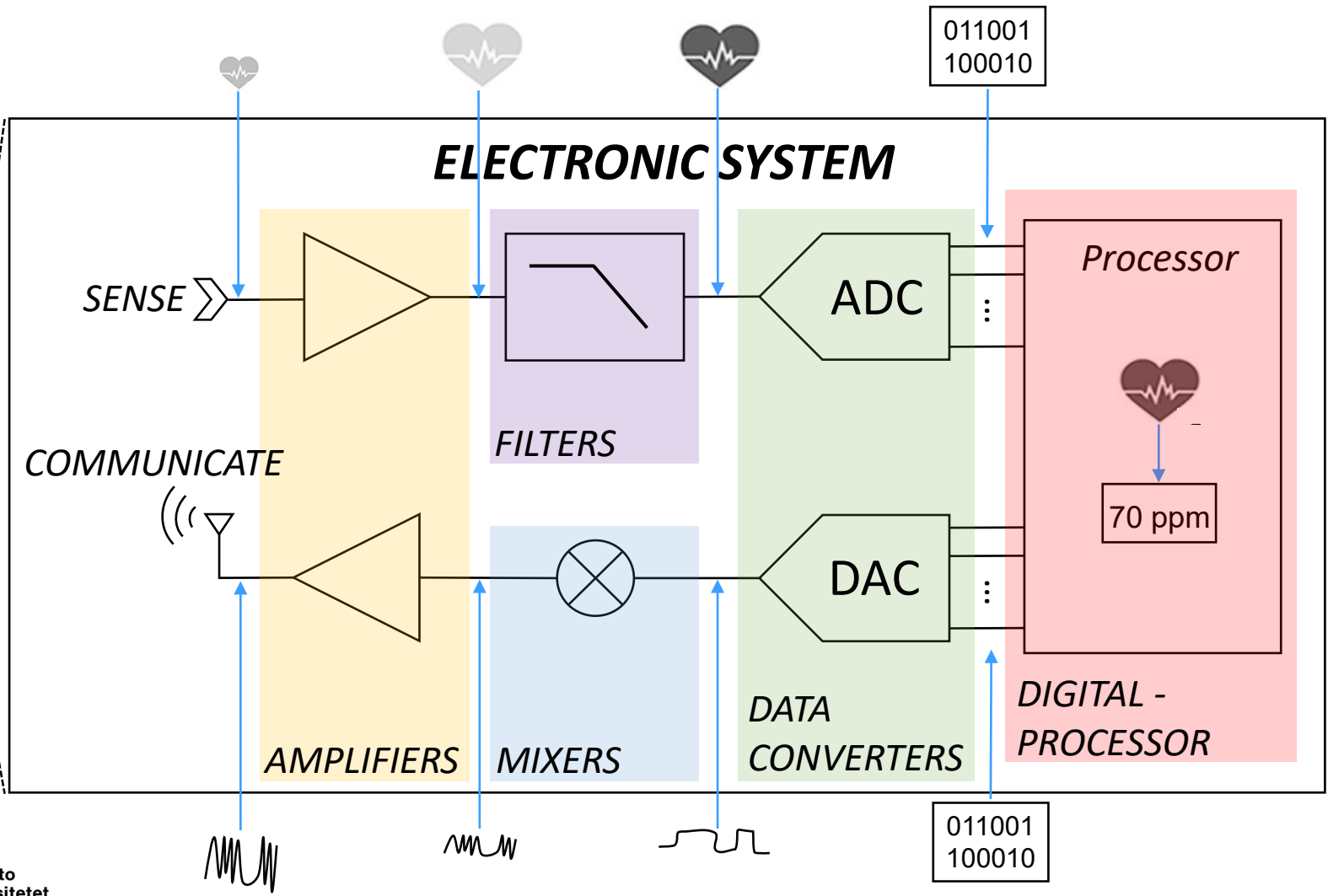
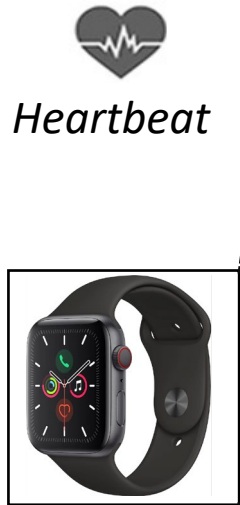
- Basic component theory, DC (continuous) analysis, op. amplifiers
- Introduction to SPICE to simulate circuit behaviors

Workshops (S. Ylirisku), periods I,II (Year 1) & III-V (Year 2)

- Hands-on experience, building full systems
 - Electronics and Design workshop (Y1)
 - Design in Engineering (Y2)

Electronic circuits, Period IV-V (Year 1)

- Frequency analysis, analog/digital, data converters, transistors, etc.
- Use of SPICE simulations on various circuits + MyDAQ devices



**WE HOPE YOU WILL ENJOY,
GOOD LUCK !**