Basic electronics and digital signal processing

Start: 23 October 2017
9 Lectures + Final Test
Mondays and Tuesdays
Room E4.20, 4-6 p.m.
Max participants: 20

Learn how a computer really “thinks”! This short course will introduce you to digital signal processing, from essential topics of analog signal conditioning to advanced field-programmable gate array programming.

After attending this course participants will possess basic notions of:
— Analog signal processing (propagation, filtering, amplification, impedance matching)
— Analog-to-digital and digital-to-analog conversion
— Combinatorial and sequential devices
— Digital signal processing (DSP)
— DSP via programmable logic devices (FPGA)

Prerequisites:
Basic knowledge of C/C++ languages. Basic knowledge of passive electronics (resistances, capacitors, Ohm’s law, etc.).

Registration:
Limited places (20) – register a soon as possible!
By March 27 2017, send an e-mail to computer.science@unibz.it including:

[1] a presentation of yourself
[2] the detail of your skills in computer science
[3] your motivation for attending the course

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