

Azienda	Titolo attività
NXP	Very low power wireless charger for IOT and wearable devices
Technoprobe	Studio ed ottimizzazione di metodologie di routing automatico nel progetto di PCB complessi
	Derivazione ed estensione di linee di alimentazione dei tester mediante integrazione di convertitori di tensione/corrente ad alta potenza su probe card
ST	Ultra-low power battery-less devices for the IoT
	Analog front end for biomedical devices
	CMOS drivers for GaN transistors
	Dual Core Microprocessor for Embedded System
	Technologies for safety and inclusiveness
	Current Source Gate Driver for SiC
	MOSFETs in power electronics applications
Wireless sensor node lifetime optimization in IIoT	
Analog Devices	High-speed digital controller for DC-DC converters
Italspazio	Sviluppo di un sistema di elaborazione su FPGA Ultrascale per l'interfacciamento e il trattamento di segnali provenienti da un ADC

Analog Devices

High-speed digital controller for DC-DC converters (Mita)

ST

Ultra low power battery-less device (La Rosa)

Driver for GaN (La Rosa)

Dual Core Microprocessor For Embedded System (Castellano)

Technologies for safety and inclusiveness (Nastasi)

Current Source Gate Driver for SiC MOSFETs in power electronics applications (System lab)

Lab

1. Design of an ultra-low voltage oscillator for battery-less devices powered by TEG generators
2. Design of a voltage regulator exploiting the charge pump as a signal amplifier for the Green Internet of Things
3. Power management integrated circuits for PV cell powered battery-indifferent sensor nodes
4. Integrated voltage equalizer for implanted biomedical devices powered by PV cells