

# Effects of ionizing radiation on Power Devices



**October 26 and November 30, 2023**

Università degli Studi di Palermo

Aula Savagnone, viale delle Scienze, Edif. 9, PA



**d-i** dipartimento  
di ingegneria  
unipa



The seminars are related to the APPLIED AND INDUSTRIAL ELECTRONICS C.I. course within the International Master Degree in ELECTRONICS ENGINEERING (LM-29). Students of the first and second year are invited to attend the seminars. After the final test, 1 credit (0,5 + 0,5) will be granted to participating students.

## SESSION 1

**OCTOBER 26, 3:00 PM to 6:00 PM**

Speaker :**Francesco Pintacuda**  
STMicroelectronics

- STMicroelectronics:**  
Company presentation
- Power devices introduction**
- Ionizing Radiation**

## SESSION 2

**NOVEMBER 30, 3:00 PM to 6:00 PM**

Speaker: **Francesco Pintacuda**  
STMicroelectronics

- Total ionized dose:**  
effects and testing procedure
- Heavy ions:**  
protons effects and testing procedure
- Neutrons and testing procedure**