April 22nd, 2024 - 4.00 PM
Final presentation: Workshop "Innovative systems"

YouTube Live
April 22nd, 2024- 4.00 PM

IEEEPoliTOStudentBranch

Final course presentation
MsC in Electronics Engineering- Academic Year 2023/2024

The workshop "Innovative systems" aims to explore the capabilities of new technological processes used in the design of innovative digital systems. Three groups of students develop a project in cooperation with academic tutors who guide them on project decisions. The workshop is multidisciplinary and gathers students of two courses: "Sistemi elettronici a basso consumo" (Low-power electronic systems) and "Integrated System technology".

In the first part of the workshop, the students designed an application-specific processing architecture by comparing different design solutions and optimizing them on power and/ or speed. Secondly, the workshop focused on the physical design of a subcircuit of their architectures, using both conventional CMOS technology and cutting-edge technologies.
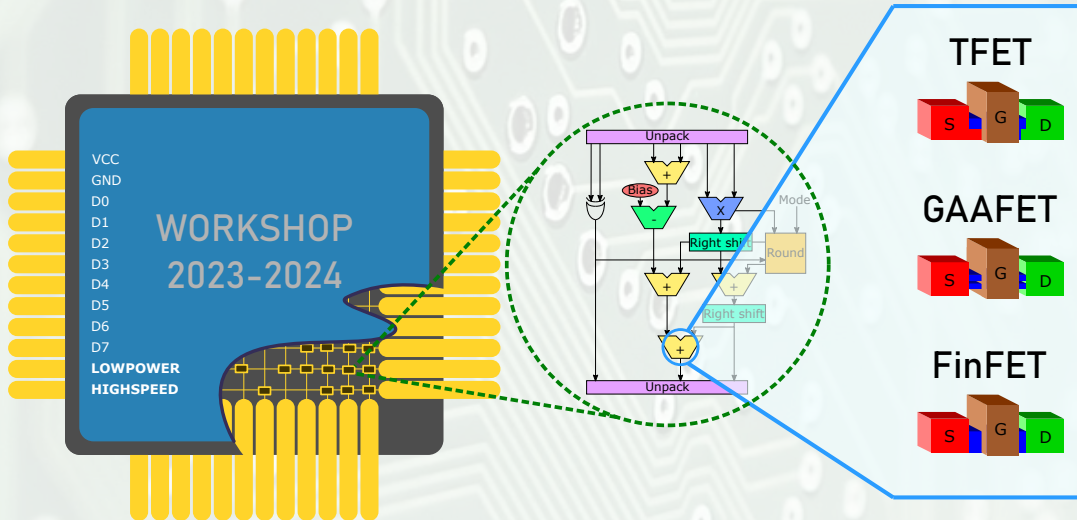
Maxwell Room (DET)
Access from the elevators near Dumarey

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Presenters
- Daniele Bigotti
- Giordano Comencini
- Mattia Cozzolino
- Sergio Ivano Fierro
- Chiara Spalluto

WORKSHOP 2023-2024

VCC
GND
D0
D1
D2
D3
D4
D5
D6
D7
LOWPOWER
HIGHSPEED

TFET

GAAFET

FinFET

01SESOQ - Workshop "Innovative Systems" - A.Y. 2023/2024
Teaching team: Prof. Maurizio Zamboni, Prof. Gianluca Piccinini, Prof. Marco Vacca, Prof. Mariagrazia Graziano, Yuri Ardesi, Fabrizio Mo, Alessio Naclerio, Federico Ravera

4 QUALITY EDUCATION

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

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