

October 23-25 2023 - Padova

Palazzo della salute - via San Francesco 90, Padova

<https://indico.dfa.unipd.it/event/749/>

# D<sup>2</sup>ays of detection

1<sup>st</sup> international school on microelectronics for solid state detectors design, manufacturing, and application

## Sensing:

- radiation detection
- sensor design
- front-end design
- timing performance

## Microelectronics

- modern trends
- manufacturing
- future roadmap
- radiation hardening

## Novel tech

- quantum devices
- high speed devices
- MEMs systems
- cryogenic devices

## Applications:

- physical sciences
- medicine & biology
- space & industry
- material science

The D<sup>2</sup> school, aimed at Post-Docs, advanced PhDs and professionals in the field of microelectronics, will review and explain the latest advancements in solid-state sensors design and manufacturing, advanced microelectronic systems, and their application in different scientific fields.

## Invited lecturers\*

- V. Goiffon, **ISAE SUPAERO**
- A.J.P. Theuwissen, **TU Delft**
- C. Ballabriga, **CERN**
- G. Cervelli, **MIROMICO**

- F. Tavernier, **KU Leuven**
- R. Di Napoli, **PSI**
- G. Borghello, **CERN**
- E. Heijne, **CERN**

- M. Rolo, **INFN**
- L. Pancheri, **Trento**
- C. Braggio, **Padova**
- A. Paccagnella, **Padova**

## Organizing committee\*

- P. Giubilato, **Padova**
- A. Marchioro, **CERN**
- S. Mattiazzo, **Padova**
- C. Miletta, **INFN**

\*partial list



DIPARTIMENTO DI  
FISICA E ASTRONOMIA  
GALILEO GALILEI



UNIVERSITÀ  
DEGLI STUDI  
DI PADOVA

ISTITUTO NAZIONALE  
DI FISICA NUCLEARE  
SEZIONE DI PADOVA

