

# LGAD and 3D technology at the IMB-CNM

*Monday 2 December 2024 17:05 (15 minutes)*

We will present the overview of 4 projects of interest at the IMB-CNM. We aim to create a collaboration for each project.

Project 1: Trench Isolated iLGAD for fill factor optimization

Project 2: AC-LGAD for HEP and Synchrotron Applications.

Project 3: Deep Junction LGAD, stabilisation of the technology at the IMB-CNM.

Project 4: Doubled sided 3D detectors for ultra-radiation hard timing applications.

## **Type of presentation (in-person/online)**

in-person presentation

## **Type of presentation (I. scientific results or II. project proposal)**

II. Presentation on project proposal

**Authors:** Dr PELLEGRINI, Giulio (Centro Nacional de Microelectrónica (IMB-CNM-CSIC) (ES)); MOFFAT, Neil (Consejo Superior de Investigaciones Científicas (CSIC) (ES)); FERNANDEZ-MARTINEZ, Pablo (IMB-CNM, CSIC); Dr HIDALGO, Salvador (Instituto de Microelectronica de Barcelona (IMB-CNM-CSIC))

**Presenter:** MOFFAT, Neil (Consejo Superior de Investigaciones Científicas (CSIC) (ES))

**Session Classification:** WG2 - Hybrid silicon technologies