

# The DSF, Wire Bonding Lab, and QART Lab

*DSF = (EP) Departmental Silicon Facility*

*Wire Bonding Lab*

*QART (Quality Assurance and Reliability Testing) Lab*

**Lab Website:** <http://bondlab-ga.web.cern.ch/bondlab-ga/QA.html>

Personnel (we all participate in lab activities for both labs):

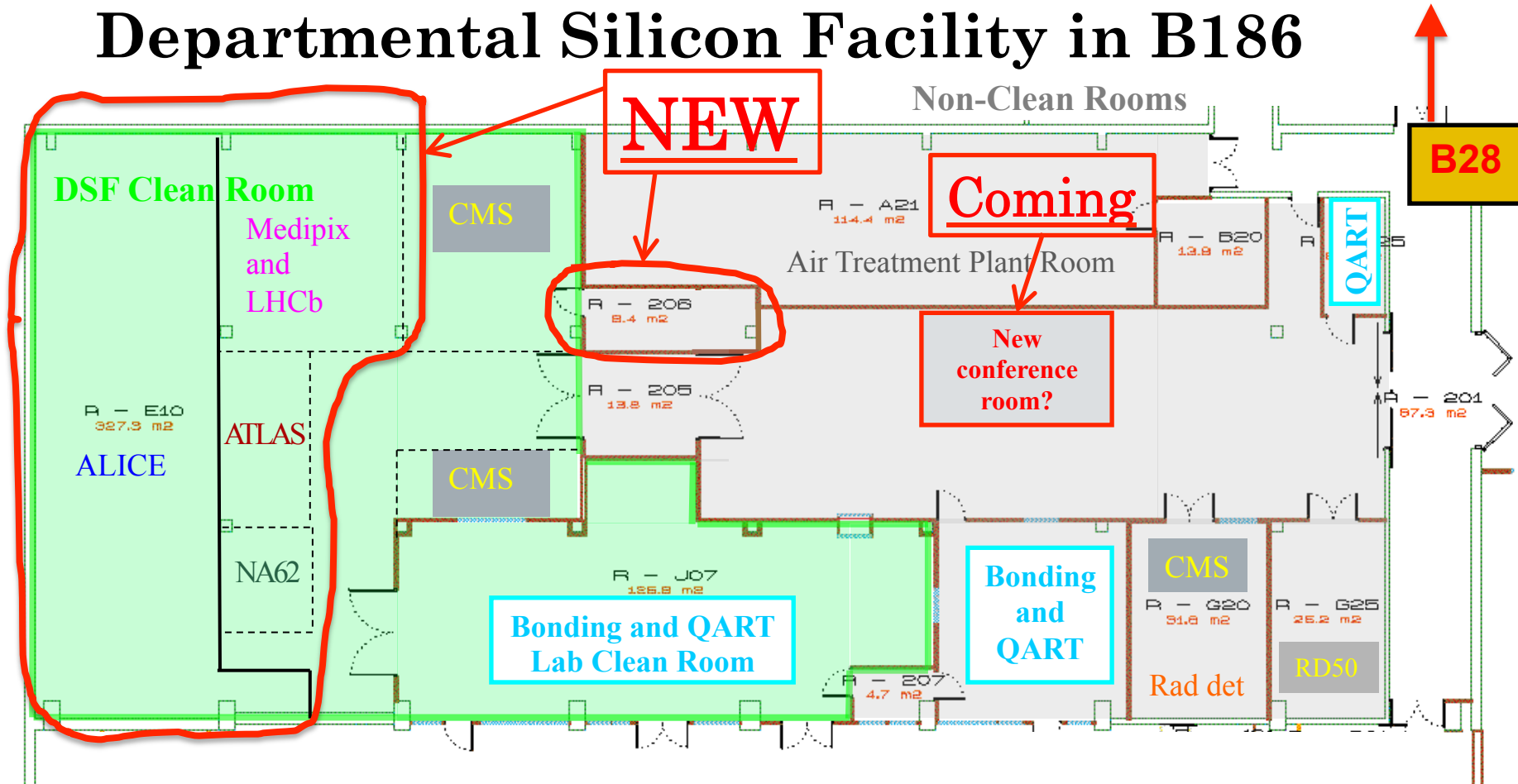
- Florentina Manolescu (100%)
- Ian McGill (100%)
- Julian Bonnaud (50%, 50% CMS)
- Alan Honma (lab management 40%, 60% CMS)

More details in previous DT-DD meeting: (<https://indico.cern.ch/event/463576/>)

Since our last DT-DD meeting (Nov. 2015), some changes to the DSF...

# The new DSF Layout

## Departmental Silicon Facility in B186



**DSF shared by Bonding lab, QART lab, LHC silicon detectors**

# New DSF Clean Room Access System

Access to DSF clean room will be by CERN ID card chip reader (but system is not yet ready so don't ask for access yet):

- User must request access via EDH (room = 186-R-206)
- User must pass SIR.CERN.CH course and test on clean room usage rules
- User must be OKed for access by DSF supervisor (me)
- A new CERN card programmer will be installed at entrance of B28 (sous-sol level)
- Users will need to renew access with card programmer once a month

# Lab Status

## Bond Lab

- Very busy as usual, many jobs from many different projects:
  - ✧ CMS Pixel upgrade -> Module production completed!
  - ✧ ALICE Pixel upgrade -> Module R&D in progress, production in 2017
  - ✧ ATLAS, CMS, LHCb upgrade R&D – in progress
  - ✧ ESE (microelectronics group), other smaller projects
- 2<sup>nd</sup> and 3<sup>rd</sup>(!) new Delvotec G5 bonding machines to be ordered soon (one is for ALICE pixel upgrade production), expected delivery end of year **Delvotec 6400**

## QART Lab

- Fairly busy, mostly climatic chamber testing
- More consultation work owing to new fellow (Julien) with reliability testing experience in aerospace field

**Delvotec G5**

# Extra slides