

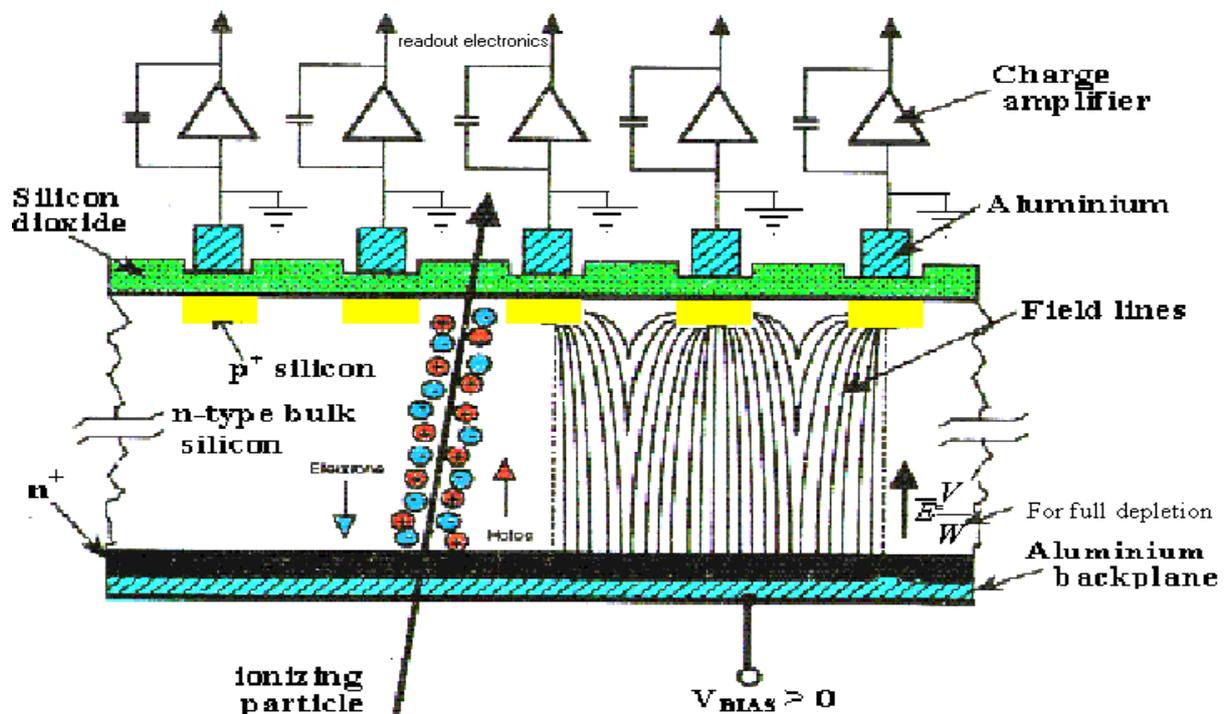
PARTICLE DETECTOR SIGNAL DETECTION CONTEST

Task

Design the portable, compact and complete system for HV (High Voltage) Si micro strip sensor characterization.

This will be our scientific technical activity that how the students can be familiarizes the students using particle detector system with concepts such as MIP, charge deposition, full depletion voltage etc in the Si Strip detector & where students (or a team) will present their design module ideas on that.

Arena



(A picture of high voltage Si microstrip detector with front end electronics)



**CHANDIGARH
UNIVERSITY**

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Event Rules

1. Registration of the participating teams will be done till March, 2017.
2. Interested ones, kindly mail us your details (Name of the institution and Name of the team members) at (pdsdc@gmail.com)
3. Participants must ensure that mail should be sent from a valid email id as all the updates will be sent to you on that email only.
4. Team will consist of only two members from the same institution.
5. Participants need to check the webpage after March, 2017 regularly for the updates related to the challenges.

Judging Criteria

- Round 1: ONLINE CHALLENGE
Participants will be given an online task after 5th March, 2017. The link will be open for the limited time. Participants need to check the web page and have to design the task in that period. Shortlisted teams will move to round 2.
- Round 2: ON CAMPUS CHALLENGES
In round two, shortlisted participants will present their projects in the campus. The design ideas should be implemented in the form of projects. These projects have to be displayed and presented in front of a jury. The teams with the best projects will be declared as winner.

Provisions at Competition Site

The one of the Alibava Systems product "EASY- EASy (Educational Alibava System) is a portable, compact and complete system for Si microstrip sensor characterization that uses the front-end readout Beetle chip developed for CERN/LHC experiments" will be explained or can be explored as aforesaid for the contest.

Faculty Coordinator Details

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