Call for 2016 DESY-ONACPR Fellowship Applicants

## **Research Laboratory: DESY**

### Division/Group: FLC

### Supervising scientist: Felix Sefkow Email/Phone: [felix.sefkow@desy.de](mailto:felix.sefkow@desy.de) 3402

### Research Field: Development of fast pixel detectors

**Position:** Postdoctoral Research in Physics or Electronics Engineering

The FLC group is leading the development of calorimeters with read out by novel Silicon photomultipliers (SiPM) for a future linear collider. Together with the electronics development group FE, advanced, integrated “smart” sensor concepts based on the SiPM technology, with microelectronics and sensors directly interconnected using 3D techniques, are also pursued. Activities range from the design of electronics circuits and firmware development for programmable logics to test beam campaigns with integrated systems. The efforts take place in collaboration with German and international partner institutes.

**Research Area:**

**Specific Requirements:**

The post-doc is expected to play an active role in both hardware and software design. Experiences in PCB design and FPGA programming would be helpful, as well as basic laboratory skills in electronics. Independent and creative way of working is desired. Good communication – in English – is essential for integrating in the local team with engineers and students, and for coordinating with partners, as well as for the outside representation at meetings and workshops. The project involves international travel activities to test beam sites and conferences.

**Work Place:** Hamburg

**Earliest Start:** December 2016 or later

**Language Requirement:** (please note that we require for all candidates proven records of English, e.g. CAE certificate) *Some knowledge of German helps, but is not necessary.*

**Further Remarks:** Please reference to DESY-ONACPR-2016-3