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## Opening of a High-Level Post-Doctoral Position at the Institute of Subatomic Research of Strasbourg for a micro-circuit and sensor designer or a semi-conducting detector instrumentalist

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The Institute of Subatomic Research of Strasbourg (IReS) is offering a high-level post-doctoral position in the team developing CMOS sensors for future high precision vertex detectors and its spin-offs in imaging.

The successful candidate will be given scientific responsibilities in the R&D of CMOS sensors, either in their design or in their applications. The goal is to achieve very granular and thin sensors, operated at high speed and standing high radiation levels. The successful candidate will be involved in several aspects of this R&D programme.

Candidates should either have a solid experience in analog and mixed micro-circuit designing with good knowledge in semi-conducting detectors, or be well experienced in instrumentation with such detectors. Experience related to CMOS imagers would be an advantage.

The team has originated the design of CMOS sensors adapted to charged particle tracking. It is involved in the preparation of the vertex detector upgrade of the STAR experiment at RHIC, in the design of a fast and granular vertex detector adapted to the physics programme and running conditions foreseen at the International Linear Collider (ILC) and at FAIR-GSI (CBM experiment). The team is also developing CMOS sensors suited to the detection of low energy electrons for imaging purposes. It is composed of about 20 micro-circuit designers, instrumentation experts and particle physicists.

The position is funded by CNRS and is available starting from the beginning of 2005. The initial contract will be for a period of 3 years, with the possibility of renewal thereafter.

Further information can be obtained from Dr Marc Winter ([marc.winter@ires.in2p3.fr](mailto:marc.winter@ires.in2p3.fr)). Applications (free format) should include a Curriculum Vitae, a statement on the candidate's research interests and a list of most important publications to which she/he have made a major contribution. They should be sent to Dr Marc Winter, either by e-mail or to the following address:

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