



## Permanent researcher position at SPEC – Nanoelectronics group

The Nanoelectronics group of SPEC is seeking candidates for a permanent experimentalist position in mesoscopic physics of low-dimensional systems.

The *Service de Physique de l'Etat Condensé* (SPEC – CEA/CNRS UMR3680) is opening a CEA permanent researcher position in the area of experimental quantum physics of low-dimensional electronic systems, and is looking for highly motivated candidates with a strong background in quantum and condensed matter physics. Candidates should have a proven track record in the field of mesoscopic quantum transport, as well as high-level skills in low-noise measurements, cryogenics, microwave techniques and nanofabrication.

The successful candidate is expected to integrate into the research effort of the Nanoelectronics Group at SPEC. He (she) will work in close synergy with the existing experimentalist team, as well as strongly collaborate with the other groups of SPEC working on quantum technologies: the Quantronics group, and the Modelling & Theory group. The candidate should have a solid scientific culture on the core research topics of the Nanoelectronics group (including quantum Hall effect in conventional semiconductor heterostructures & graphene, and light-matter coupling & quantum fluctuations in coherent conductors). His (her) human qualities will be a very important aspect, including his (her) ability to conduct collaborative research. The candidate must be able to join existing experimental projects, maintain and upgrade the group's measurement platforms, develop new nanofabrication processes in relation to the group's activities, and elaborate close collaborations with postdocs, PhD students, and permanent staff. He (she) must be able to set up or participate in projects and seek funding and participate in the CEA missions.

The interested candidates should send (in PDF-format) before the 30<sup>th</sup> of September at [nanoelectronics@cea.fr](mailto:nanoelectronics@cea.fr) their:

1. Curriculum vitae including a list of references.
2. Publication list.
3. Motivation letter
4. Research statement of maximum 4 pages.
5. Recommendation letters.