

Open Postdoc Research Position On “Enhanced PHY for Cellular Low Power Communication IoT”

A project supported by the French National Agency for Research (ANR)

We are offering a full-time Research Scientist (postdoctoral) position in the area of wireless communications with a particular emphasis on IoT for future wireless networks and to work in the French national research project EPHYL.

Areas of interest:

The position is based on the extremely active field of cellular IoT. The goal is to evaluate and propose improvements in emerging IoT standards, enhance the trade-off between, on one hand, the achieved rate for the downlink cellular users and, on the other hand, the outage probability for low-rate MTC link.

We are looking on candidates with experience and knowledge on: physical layer and the radio resource management, enhancing coverage, low power transmission and massive access, coexistence capabilities between LTE cellular network and low-rate IoTs. The accepted applicant will closely collaborate with other researchers working in the same field. Besides the applicant must:

- 1) have excellent oral and writing in English.
- 2) have a Ph.D. degree in EE or other closely related disciplines.
- 3) have strong wireless communications background.
- 4) have already demonstrated research performance and capabilities by publications.

French speaking and/or writing is not required but may be advantageous.

Employment: The position is for 12 months duration, and will take place at the [SCEE](#) (Signal, Communication & Embedded Electronics) research group of CentraleSupélec engineering school in campus of Rennes (France). Expected starting is **1st November 2018**.

Application: Interested candidates should contact Dr. Carlos Faouzi Bader [<faouzi.bader@supelec.fr>](mailto:faouzi.bader@supelec.fr), by sending a detailed CV, graduate transcript(s), representative publications, statement of research experience and interests, and two references.

We may contact interesting candidates once we receive the application. Therefore, please submit your application as early as possible. **Application deadline: July 9, 2018.**