Open Postdoc Research Position
On '' Signal Processing for Ultra High Bit Rate Future Communication Receivers''

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

We are offering **full-time Research Scientist (postdoctoral) positions of 12 months** in the area of signal processing for wireless communications with particular focus on terabits wireless communication systems, and to work in the French national research project BRAVE.

Areas of interest:
The position is based on the extremely active field of terabits wireless communications. The goal is to develop advanced signal processing techniques related to ultra-high bit rate wireless receivers communicating above 100 GHz band.

We are currently looking for candidates with experience and knowledge on: development and study of adaptive signal processing algorithms and techniques in general, more specifically on single carrier modulations, ADC, synchronisation, channel estimation, and equalisation signal processing techniques.

Accepted applicants would closely collaborate with other researchers working in the same field. Besides, the applicants must have:

1) Excellent oral and writing in English.
2) A Ph.D. degree in EE or other closely related disciplines.
3) Strong signal processing background connected to wireless communications receivers.
4) Already demonstrated research performance and capabilities by publications.

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

Employment:

Each position is for 12 months duration, and will take place at the **SCEE** \IETR (Signal, Communication & Embedded Electronics) research group of CentraleSupélec campus of Rennes (France). Expected starting is 1st March/April 2020.
Based on the first year achieved performances, the postdoc duration can be extended.

Application: Interested candidates should contact Dr. Carlos Faouzi Bader <faouzi.cbader@ieee.org> , and Dr. Yves Louët <yves.Louet@centralesupelec.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: January 31st, 2020.**