

## JOB OFFER

**Update:** April 2019

**Job title:** Platform Engineer / Engineer

**Location:** EVRY

**Environment:** Télécom SudParis / Department of Telecommunication Networks and Services (RST) - Ultrafast Broadband Communication Group (THD)

**Point of contact:** Head of “Telecommunication Networks and Services” Department

**Category of candidates:** II / C

**Type of contract:** 2 years contract (renewable)

### MISSIONS :

- The candidate will be in charge of the operation of the ultrafast broadband communication platform (THD)
- He/she supports the teaching activities of the group and the projects on the platform.
- He/she proposes new application and technical solutions in the platform, in terms of infrastructure and services
- Support the teaching activities of the group (set up of the training rooms, development of virtualization solutions, measurement equipment)

### ACTIVITIES:

**1/ He/she support the daily operation of the ultrafast broadband communication (THD) platform at Télécom SudParis:**

- He/she sets up the technical and scientific infrastructure of the platform
- He/she guarantees the normal operation of the network, from the physical layer up to the application layer
- He/she shows expertise in configuring and using the software to manage the various experimental tools and is in charge of their continuous update
- He/she configures the connection of the platform with the other connected networks (training rooms, metropolitan networks, Internet access) and guarantees their security and their normal operation

- He/she conceives and implements a storage infrastructure, which ensures the access to data and information sharing among the members of the THD group, PhD students, researchers and interns

**2/ Support the operation of the researchers, the evolution of the network infrastructure and the protocols, the installation and the usage of the platform in the context of the teaching and research projects:**

- He/she organizes and supervises, from a technical point of view, the projects within the platform
- He/she collaborates with the researcher for deploying their research models on the THD platform, collecting the results and presenting them
- He/she designs and develops specific services to automate the tasks of the group
- He/she is able to present the platform and its activities to various types of visitors (industrial partners, researchers, students, ...)

**3/ He/she proposes new technical applications relevant for the platform activities:**

- Participation around new projects under the responsibility of a Teacher/Researcher
- Contribution to the costing and the technical feasibility of these projects
- The technical evolution to take into account to propose new topics

**EDUCATION AND SKILLS:**

**Education level and/or required experience:**

- Master or equivalent (Diplôme Bac +5 ou équivalent)

**Required skills, knowledge and experiences:**

- An overall knowledge of Computer Science and in Networks is mandatory:
  - Scripting (Bach, Python, others...)
  - TCP/IP
  - Routing, naming
  - Access optical networks (FTTH, P2P)
  - Applications (HTTP, VoIP, WebRTC, VideoGame Streaming...)
- Proficiency in English (Level B1 minimum)

**Preferred skills, knowledge and experiences:**

- Previous experience in a research laboratory

**Technical and personal skills :**

- Ability of adapting to the evolution of the topics
- Pragmatism and ability to apply his/her knowledge to operational or experimental systems
- Good interpersonal skills and ability to integrate to teaching and research groups, which multi-disciplinary
- Open-mindedness, autonomy and self-evaluation ability
- Ability to summarize and write high quality scientific documents