

# Call for application

## Associate Professor in Computer Science (Parallel and Distributed Systems) (W/M)

<b>Localisation:</b>	Télécom SudParis 9 rue Charles Fourier, 91011 Evry Cedex, FRANCE (near Paris)
<b>Entity/Service:</b>	Télécom SudParis / INF (Computer Science) Department
<b>Position of supervisor:</b>	Director of INF Department
<b>Contract type</b>	Permanent contract

## 1. CONTEXT

### 1.1 IMT Presentation

Institut Mines-Télécom is a public institution dedicated to higher education and research for innovation in the fields of engineering and digital technology. Always tuned in to the economic world, it combines high academic and scientific legitimacy with a concrete presence alongside companies and a unique focus on the major transformations of the 21st century: digital technologies, the environment and energy, industry and education. Its training and research for innovation are conducted in the Mines and Télécom Graduate Schools under the supervision of the Minister for Industry and Electronic Communications, in two subsidiaries and in institutions that are associate partners or under contract. Institut Mines-Télécom is a founding member of the Industry of the Future Alliance. It has two Carnot labels for the quality of its research partnerships. Every year, around seventy startup companies leave its incubators.

### 1.2 School Presentation

Telecom SudParis is a public graduate school for engineering, which has been recognized on the highest level in the domain of digital technology. The quality of its courses is founded on the scientific excellence of its faculty and on teaching techniques that emphasize project management, innovation and intercultural understanding. Telecom SudParis is part of the Institut Mines-Telecom, the number one group of engineering schools in France, under the supervision of the Minister for Industry. Telecom SudParis with École polytechnique, ENSTA Paris, ENSAE Paris and Telecom Paris are co-founders of the Institut Polytechnique de Paris, an institute of Science and Technology with an international vocation.

Its assets include: a personalized course, varied opportunities, the no.3 incubator in France, an ICT research center, an international campus shared with Institut Mines-Telecom Business School and over 60 student societies and clubs.

## 2. MISSIONS AND ACTIVITIES

### 2.1 Missions

- Applicants participate in the design and implementation of courses in computer science at Télécom SudParis in the frame of various programs of the school, life-long training at Institut Mines-Télécom and also joint programs with Institut Polytechnique de Paris.
- They should conduct research in the field of computer science.
- They should participate in the development of partnerships, collaborations, and contractual agreements in their scientific field.
- They contribute to the dissemination of the research and to the visibility of Télécom SudParis, of Institut Mines-Télécom and of Institut Polytechnique de Paris.

### 2.2 Activities

#### Teaching activities:

- Design and organize teaching activities for undergraduate and graduate students in the computer science domain;
- Contribute to pedagogical innovation thanks to digital technologies;
- Coordinate pedagogical teams;
- Supervise students in scholar and research projects, internships, etc.;
- Participate to selection juries of students applying for programs in engineering, Masters, etc.;

#### Research activities:

- Conduct upstream and applied researches in the domain of parallel and distributed systems in the PDS group (Parallel and Distributed Systems);
- Supervise PhD theses, Master 2 internships and student research projects;
- Write proposals and participate to projects with partners from Institut Mines-Télécom, Institut Polytechnique de Paris, or other institutions from the academic and/or corporate world, in particular in the frame of national, or European projects;
- Explore and develop partnerships within the industry and establish contractual agreements;
- Apply research results to societal challenges such as healthcare, smart home, smart cities and industry of the future.

## 3. TRAINING AND SKILLS

### 3.1 Training

- Doctorate degree;
- Significant experience in teaching and research;
- Good experience in the setting up and execution of European or national contracts;
- Very good productivity in publication (allowing an integration in the ACMES team of the SAMOVAR lab);
- Fluency in English and French (spoken and written);
- International work experience (employment, doctorate, post-doc or long stay) desirable;
- Qualification by the CNU in section 27 desired.

### 3.2 Skills

#### Essential skills, knowledge and experience:

The expected skills concern at least part of the following topics related to parallel and distributed systems:

- Distributed or parallel Storage systems, NVRAM
- Parallel runtimes or distributed systems
- Distributed algorithms
- Performance analysis
- language runtimes, virtualization

#### Abilities and skills:

- Organizational and animation skills;
- Ability to work in a team, ability to dialogue;
- Relational and pedagogical qualities;
- Ability to synthesize and write.

## 4. OTHER INFORMATION AND HOW TO APPLY

Website: <https://www.telecom-sudparis.eu/>

Candidature deadline: April 6<sup>th</sup>, 2020

#### Contact persons:

Mr Djamel BELAID

[djamel.belaid@telecom-sudparis.eu](mailto:djamel.belaid@telecom-sudparis.eu)

#### To apply:

Motivation Letter

Detailed CV

Work notice about our past and future activities in teaching and research (the 2 types of activity must be described with the same care for rigor and precision)

List of the main publications

Full addresses and positions of two referees

To send to:

[recrutements@imtbs-tsp.eu](mailto:recrutements@imtbs-tsp.eu)

or

Télécom SudParis

HRD

9 Rue Charles Fourier

91000 Evry - FRANCE

Information of the candidate on the processing of personal data: <https://bit.ly/2QeOZhl>