

## **Associate Professor Position in Affective and Social Computing at Telecom-ParisTech**

The group dedicated to Research in Machine-Learning, Statistics & Signal Processing (the S<sup>2</sup>A research group), within the Image, Data & Signal department (the IDS Dpt.) and the *Laboratoire Traitement et Communication de l'Information* (LTCI) is recruiting an **Associate Professor in Affective and Social Computing**.

### **Research**

- The applicant should have strong expertise in one or several of the following topics: **human-agent interaction, human-machine dialogue, generation of agents' socio-emotional behaviors, as well as social signal processing and natural language processing**. It involves the development of novel **machine learning** methods including deep learning, transfer learning, reinforcement learning.
- The recruit is expected to contribute to scientific projects with national and international laboratories and industrial partners. This may be done by participating to proposals to national and international research project calls, industrial chair programs, bilateral contracts, or by co-supervising PhD theses (including CIFRE theses, involving industrial partners).
- The research activities will rely on the expertise of the S<sup>2</sup>A research group concerning *machine learning, audio processing, natural language processing and social and affective computing*.
- Research results will be published in leading journals and conferences. Activities in scientific bodies, organization of special sessions, workshops as well as involvement in committees of scientific conferences will be expected.

### **Teaching**

The recruit is expected to teach mostly in the field of Machine-learning at the bachelor or master levels, including courses in the masters of the University Paris-Saclay. Part of teaching will also be in a *professional master* of Telecom ParisTech fully dedicated to Big Data (“Management and Analysis of Big Data”) and in a « Data Scientist » certificate.

### **Skills**

- Education : PhD or equivalent
- An international postdoctoral experience is welcome but not mandatory
- English: fluent; French: good or the candidate should be willing to improve it

### **Knowledge and experience required**

- Research publications in Affective and Social Computing, human-machine interactions, opinion mining or virtual agents.
- Teaching skills in machine learning
- Research and teaching experience in deep learning will be appreciated

### **Other Qualities and skills**

- Capacity to work in a team and develop good relationships with colleagues and peers
- Good writing and pedagogical skills
- Capacity to attract fundings through collaborative projects

### **Additional information**

Examples of activities in Social and Affective processing at the S<sup>2</sup>A group: Labex SMART <http://www.smart-labex.fr/>, the european project Aria-valuspa <http://aria-agent.eu/>

### **The position**

- Permanent position
- Place of work: Paris until 2019, and then Palaiseau (Paris outskirts)

### **Application**

Application can be performed electronically by electronic mailing to  
chloe.clavel@telecom-paristech.fr, recrutement@telecom-paristech.fr

Application should include:

- A complete and detailed curriculum vitae
- A letter of motivation,
- A document detailing past activities of the candidate in Teaching and Research: the two types of activities will be described with the same level of detail and rigor.
- A short teaching project and a research project in connection with the research topic Social Computing of the S<sup>2</sup>A group (maximum 3 pages)
- The text of the main publications,
- The names and addresses of two references,

### **Important dates**

- May 16, 2017: application deadline
- Between mid-june and mid-july 2017: audition
- Fall/Winter 2017: beginning

### **Contact :**

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**Other web Sites :**

Image Data & Signal Department  
<http://www.ids.telecom-paristech.fr/>

Laboratoire du Traitement de la Communication et de l'information  
<https://www.ltci.telecom-paristech.fr>

Social Computing topic at telecom-paristech  
<https://www.tsi.telecom-paristech.fr/recherche/themes-de-recherche/analyse-automatique-des-donnees-sociales-social-computing/>

S<sup>2</sup>A Group  
<http://www.tsi.telecom-paristech.fr/S2A>

Télécom ParisTech  
<http://www.telecom-paristech.fr/>