

**Associate Professor Position available at University Savoie Mont-Blanc**

**“Maître de Conférences” PAC/LISTIC 2020 n° 261 <sup>1</sup>**

**Teaching at Polytech Anancy-Chambéry (PAC) School of Engineering**

**Research at the Computer Science, Knowledge and Information Processing Laboratory (LISTIC)**

**Short profiles:**

Teaching: Computer engineering, Data processing, Machine learning, Signal-Image

Research: Data science, Machine learning, Data mining, Spatial data, Time series

**Teaching**

The person recruited will teach computer engineering and programming in the common core of all the engineering specialties of the school and will also teach data processing and machine learning in the IAI (Instrumentation - Automation - Computer Science) and IDU (Computer Science - Data - Uses) specialties. Within the framework of Computer Engineering, knowledge and skills in the field of Signal and Image processing will be an asset.

The person recruited will have to be involved in the project based pedagogy in place within the IAI and IDU specialties and in the development of the work-study program in the final year of the IDU curriculum. A first experience or a particular interest in innovative pedagogical practices will be appreciated. They should also be involved in the supervision of internships.

The ability to teach and organize teaching in English will be a positive element in the application file.

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**Research**

The research activity of the person recruited will be part of the AFuTé theme (Learning, Fusion and Remote Sensing) of the LISTIC. This theme develops several theoretical and methodological approaches:

- Machine learning: deep learning, data mining,
- Fusion of uncertain data (probabilities, possibilities, beliefs),
- Signal processing (wavelets and statistical learning),
- Remote sensing (change detection, displacement measurement, inversion).

The fields of application of this work are mainly related to the analysis of temporal or spatial data, in particular for environmental monitoring or the privileged applications of the second theme of the LISTIC (ReGaRD: Representation, Management and Processing of Data for Humans).

The person recruited will have to show his/her ability to develop his/her work in one of the above directions or to link some of them.

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<sup>1</sup> Official texts: [https://www.galaxie.enseignementsup-recherche.gouv.fr/ensup/cand\\_recrutement\\_enseignants\\_chercheurs.htm](https://www.galaxie.enseignementsup-recherche.gouv.fr/ensup/cand_recrutement_enseignants_chercheurs.htm)