A permanent position (tenured) of Associate Professor in « Statistical learning for signal and image » will be opened on September 2020 at the Engineering School INP-ENSEEIHT, within the Signal & Communications (SC) group of Institut de Recherche en Informatique de Toulouse (IRIT).

Host institutions: INP-ENSEEIHT and IRIT

INP-ENSEEIHT is a state-funded school of engineering under the authority of the Ministry of Education, Higher Education and Research. It is one of the french Grandes Écoles and hosts 1600 undergraduate students who specialise in one of the following fields: electrical engineering, computer science & information technology, telecommunications & networks, fluid mechanics. INP-ENSEEIHT belongs to Toulouse INP (Toulouse National Polytechnic Institute), a consortium of engineering schools in Toulouse. Toulouse INP is a founding member of Université Fédérale Toulouse Midi-Pyrénées (UFTMIP).

Created in 1990, IRIT is a Joint Research Unit (UMR) of the CNRS and the 4 Toulouse universities (including Toulouse INP). It is one of the largest UMR at the national level and one of the pillars of research in Occitanie with 700 permanent and non-permanent members. Due to its scientific impact and its interactions with other fields, the laboratory is one of the structuring forces of the IT landscape and its applications to the digital world, both at regional and national levels. Through its cutting-edge work and dynamics, IRIT has acquired undeniable visibility, while positioning itself at the heart of changes in local structures.

The SC group is part of the Departement of « Signals and Images » of IRIT. It is hosted by INP-ENSEEIHT and conveniently located in the Saint-Aubin area of the downtown center of Toulouse (a 9-minutes walk from metro hub Jean-Jaurès, 14 minutes from Place du Capitole, the heart of Toulouse). Saint-Aubin is a picturesque and lively neighbourhood, with many independently-owned boutiques, cafés & restaurants.

Teaching

The successful candidate will participate in the teaching of mathematics and signal processing for 1st year students (L1) of the Department of Electrical Engineering of INP-ENSEEIHT. He/she will contribute to teaching in machine learning, optimisation, probability and statistics within the specialization tracks of the department.

According to the welcoming procedure dedicated to the new staff recruited at Toulouse INP, the Associate Professor will receive a teaching load reduction of 50% of the statutory service during the first year, and of 25 % during the second year.
Research

The recruited Associate Professor will join the SC group on the ENSEEIHT site of IRIT. The SC group conducts research activities in signal processing, image processing and digital communications. It is also strongly involved in the structuring of activities in artificial intelligence (AI) and data science at the local level through a Chair within the Artificial and Natural Intelligence Toulouse Institute (ANITI). In the context described above, the SC team is looking for an Associate Professor with strong records in the field of machine learning in the broad sense (optimization, statistics, information theory, deep learning). His/her project will be integrated into the activities currently lead by the SC group, or will propose to develop new activities related to existing works.

Subject to acceptance by the institute, the recruited Associate Professor may be associated with a Chair of the institute in AI (ANITI). As such, he/she may benefit from generous dedicated resources (research bonus, budget, funding for Ph.D. student and/or post-doctoral fellow) in terms to be defined.

Contacts

Interested candidates are invited to contact
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