

Tenured assistant professor position in computer science, ENS de Lyon

Teaching

The teaching service will take place in the Computer Science department of ENS de Lyon, within its Foundations of Computer Science Bachelors (L3) and Masters (M1 and M2) programmes. One of the emblematic characteristics of this curriculum is that it is **driven by and for research**. This commitment to education towards outstanding research is reflected in the organisation of the curriculum. The Foundations of Computer Science track is a complete curriculum with courses providing a solid general background in Computer Science and more specialised courses introducing the students to research.

Given the teaching needs of the Computer Science department in computer architecture, systems, networks and compilation, applicants able to invest themselves in the corresponding courses will be preferred. Another focus will be on applicants able to create new courses. International applicants, even non french speakers, are encouraged.

Teaching Department: Computer Science

<http://www.ens-lyon.fr/DI/?lang=en>

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Research

The Assistant Professor will reinforce LIP's research according to the laboratory project whose scope is the study and anticipation of the digital world and its theoretical foundations, in order to invent new ICT concepts and methods and to anticipate their repercussions in other fields of science. Research is organized along two complementary axes crossing all seven teams:

- Models and methods in mathematical computer science;
- Challenges of future computing and communication architectures.

The machine (computer, infrastructure), be it the physical object or the abstract entity, is at the core of the studies. Research in LIP has always covered both fundamental and development aspects, which is a major source of invention. The laboratory is traditionally and profusely open to mathematics, but also to communication and semi-conductor industries, digital sciences, modelling, and life sciences.

The candidate will collaborate closer with one of the laboratory's teams that she, or he, will integrate. Research projects with mixed fundamental and practical aspects of computer science, and/or projects that may help to strengthen collaborations between LIP's research teams will be appreciated, for example in high performance computing, validation and security, information theory, etc.

Brilliant candidates of all profiles and backgrounds are invited to apply; the final choice will depend first and foremost on the quality of the application. This recruitment is very open; external French and International applications will be favoured.

Research laboratory : Laboratoire de l'Informatique du Parallélisme (LIP)

<http://www.ens-lyon.fr/LIP/web-n/>

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The head of the targeted research team