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FACULTY RECRUITMENT PROFILE
Assistant Professor
MICS Lab (Mathematics and Informatics for Complex Systems) and
Faculty of Computer Science

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Title: Assistant Professor

Position: Assistant Professor in Artificial Intelligence, at the Faculty of Computer Science at CentraleSupélec and MICS (Mathematics and Informatics for Complex Systems) laboratory (EA4037), Paris-Saclay Campus.

CNU Section: 27.

Domain: Artificial Intelligence.

Keywords: Artificial Intelligence systems, Knowledge Representation, and Reasoning, Representation learning, Logics and Artificial Intelligence, Symbolic Learning, Explainable and Interpretable AI, Decision systems, Multi-agents models, Natural language processing.

CentraleSupélec is a public scientific, cultural and professional institution (EPSCP in French) under the authority of the Ministry of Higher Education and Scientific Research and the Ministry of the Economy, Industry, and Digital Technology. Its primary missions are the training of high-level scientific general engineers, research in engineering and systems sciences, and executive education.

The Computer Science Faculty is an academic department at CentraleSupélec, whose educational scope covers all the fields of Computer Science in the 3-year CentraleSupélec Engineering Program.

The MICS Laboratory is the research laboratory of CentraleSupélec in Applied Mathematics and Computer Science. The laboratory is interested in the mathematical and computational analysis of complex systems and data, whether they come from the socio-economic world, multimedia, or life sciences.

Academic profile:

The successful candidate will teach in the Faculty of Computer Science. He/she will engage with courses on several fields of computer science that form part of the CentraleSupélec engineering program.

He/she will participate in the 3rd year courses of the Computer and Numerical Sciences major, in the different concentrations (Artificial Intelligence, Software Science, Computer System Architecture) according to his/her profile. He/she will be able to work on the different activities related to artificial intelligence during the three years of the engineering curriculum (thematic sequence, projects…) and will participate in the basic pedagogical activities of the engineering program (algorithmic, programming, coding weeks) in the 1st year.

The candidate will also be able to take part in different pedagogical activities of the curriculum related to his/her research work (proposal of a project in the Research track, projects in the AI & Data Science poles ...).

As some of these courses are taught in English, the ability to teach in English is expected.

Research profile:

The MICS laboratory is recruiting an assistant professor in Artificial Intelligence to strengthen its research activity in this field.

The priority themes are:

- the development of methods and models to design and study artificial intelligence systems (their explicability/interpretability, their reliability, their validation and verification, their ability to scale) ;
- the representation of knowledge and reasoning, deep representation learning, transfer of knowledge for the interpretation of complex unstructured data;
- AI and decision models;
- multi-agent systems;

- natural language and unstructured data processing.
- …

The applicant should have demonstrated relevant and original research contributions in one or more of these areas, with a combination of theoretical abstraction, formalization, and a keen interest in applications.

The assistant professor will join the LOGIMICS research team and will also participate in the laboratory's transverse animation axis in artificial intelligence. These themes have numerous interactions with other CentraleSupélec teams and laboratories, in particular, L2S, CVN, and LRI. The candidate will thus have to demonstrate an openness to the different possible approaches in the field of AI, for example, by proposing a transverse integration project with these different teams.

The candidate must demonstrate the ability to collaborate and lead research activities, by participating in the supervision of student work, and should be able to establish academic and industrial partnerships on this activity, at the national and international level.

Recruitment interview:

For the candidates selected for the audition, the audition will take place in three stages:
- A presentation of the candidate's background and integration project;
- An illustration of a 5-minute lesson, given in English, on a problem, whose subject is identical for all candidates, will be specified on the invitation;
- An exchange with the members of the committee.
The duration of the three parts of the audition will be specified in the invitation letter.

Contacts:

Paul-Henry Cournède, director of the MICS laboratory: paul-henry.cournede@centralesupelec.fr
Yolaine Bourda, director of the Computer Science Faculty: yolaine.bourda@centralesupelec.fr
Céline Hudelot, head of the transverse axis in AI at MICS and head of the major in Computer and Numerical Sciences: celine.hudelot@centralesupelec.fr

For all administrative information, please contact the Department of Human Resources:
Lorraine Maret: lorraine.maret@centralesupelec.fr
Marion Taupin: marion.taupin@centralesupelec.fr

Documents to be provided: (all documents must be uploaded to Galaxie no later than the closing date for registration, please refer to the ANTEE module user guide):

- a copy of a photo ID;
- a document proving possession of one of the documents mentioned in 1° of article 46 of the above-mentioned decree of 6 June 1984;
- a curriculum vitae giving an analytical presentation of their work, works, articles, achievements and activities, specifying those attached;
- a copy of at least one of the works, works, articles and achievements among those mentioned in the curriculum vitae;
- a copy of the defense report of the diploma held, if applicable.
Administrative documents in a foreign language must be translated into French.

GALAXIE portal link
https://www.galaxie.enseignementsup-recherche.gouv.fr/ensup/cand_postes_GALAXIE.htm