

PUBLICATION D'EMPLOIS D'ENSEIGNANTS ET ENSEIGNANTS-CHERCHEURS

RENTRÉE 2024

U.F.R, Ecole ou Institut : UFR des sciences	
Equipe de recherche : GREYC	
Nature du concours (<i>préciser article</i>) :	CDD Enseignant-Chercheur (3 ans – Service d'enseignement : 142h/an)
Section / Discipline demandée :	27 / Informatique
Corps demandé :	
Libellé général profil publication :	Poste d'enseignant-chercheur en Intelligence artificielle et Algorithmique
Date recrutement demandée au :	01/09/2024
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Profil publication : L'UFR des Sciences recherche un.e enseignant.e-chercheur.se spécialisé.e dans le domaine de l'Intelligence artificielle et de l'Algorithmique.

Profil publication en anglais : The Faculty of Sciences is seeking a specialized lecturer in the field of Artificial intelligence and Algorithmics.

Rajouter les mots clefs : Intelligence artificielle, Raisonnement, Planification, Optimisation, Contraintes, Fouille de données, Web sémantique, Systèmes multi-agents, Programmation, Algorithmique

Keywords: Artificial Intelligence, Reasoning, Planning, Optimization, Constraints, Data Mining, Semantic Web, Multi-Agent Systems, Programming, Algorithmics

I. TEACHING PROFILE:

Fields of study :

- levels : Bsc. x Msc.

- diplomas : Master in Computer Science – Artificial Intelligence and Human Factors (NORMANTHIIA project – AMI CMA).

- subjects : Artificial Intelligence, Algorithmics, Programming

Objectives in terms of pedagogical content and supervision :

The recruited person will be attached to the Department of Mathematics and Computer Science at the University of Caen Normandy. Specifically, he/her will participate in the teachings of the Master's program in Computer Science, specializing in Artificial Intelligence and Human Factors, funded by the CMA NORMANTHIIA project. The NORMANTHIIA project aims to increase the number of students with

knowledge in Artificial Intelligence based on the diagnosis established within the framework of the "Artificial Intelligence" acceleration strategy and the national strategy "AI for Humanity." NORMANTHIIA comprises 10 actions spread across 6 institutions, aiming to offer multidisciplinary training programs for both specialists and non-specialists in Artificial Intelligence.

More precisely, the recruited person may be involved in the following teachings: Advanced Databases; Graphs, Tree Search, and Complexity; Reasoning; Multi-Agent Systems; Decision Processes; Pattern Mining and Structured Data; Design Patterns and Data Structures; Parallel and Distributed Programming; Constraint Programming, and Linear Programming.

The selected candidate will also be required to propose projects in the field of Artificial Intelligence interacting with other disciplines (e.g., Cognitive Sciences, Psychology, Sociology, Law, Ethics, etc.). To allow the recruited person to carry out a research project successfully, the teaching workload will be reduced to 142 hours per year equivalent to teaching units.

Pedagogical and administrative responsibilities: The candidate will be involved in both the design of lectures and tutorials or practical work. The recruited person may contribute to the overall organization of the Master's program and, consequently, to the CMA NORMANTHIIA project.

II. RESEARCH PROFILE :

Topic/Project : Natural Language Processing, Machine Learning and Digital Health

Objectives of the recruitment :

The recruited person will be required to conduct research in the field of Artificial Intelligence (e.g. Reasoning, Planning, Optimization, Constraints, Data Mining, Semantic Web, Knowledge Representation, Multi-Agent Systems, Computational Social Choice, Combinatorial Optimization, Complexity). Experience in interdisciplinary research will be an additional asset. The selected candidate will conduct his/her research within the GREYC UMR 6072 laboratory, in one of the teams whose themes are most suitable.