



**Job vacancy  
Chaire de Professeur Junior  
Campagne 2024**

|   |  |
|---|--|
| U.F.R, School or Institute : UFR des sciences |  |
| Research team : GREYC                         |  |
| Type of contract :                            | Chaire Professeur Junior   |
| Section / Topic :                             | 27 – Computer Science  |
| Profile :                                     | AI for Sciences  |
| Contract dates :                              | 01/12/2024   |
| Contacts - teaching                           | UFR Sciences :<br><a href="mailto:Fabrice.maurel@unicaen.fr">Fabrice.maurel@unicaen.fr</a><br><a href="mailto:Mohamed.didi-biha@unicaen.fr">Mohamed.didi-biha@unicaen.fr</a> |
| - research                                    | GREYC :<br><a href="mailto:Christophe.Rosenberger@ensicaen.fr">Christophe.Rosenberger@ensicaen.fr</a>  |
| - administrative°                             |  |

**Profile :**

The University of Caen-Normandie is recruiting a Junior Professor on a 60-month contract. The person recruited will teach 64 hours in the Mathematics & Computer Science department of the UFR des Sciences. The person recruited will carry out research in the GREYC UMR CNRS 6072 laboratory in the field of artificial intelligence, developing interdisciplinarity with chemistry, nuclear physics and materials science.

**Key words :**

Computer Science, Artificial Intelligence, chemistry, nuclear physics, materials science.

**I.TEACHING PROFILE :**

**Objectives in terms of teaching content and supervision:**

You will join the teaching team of the Mathematics & Computer Science department of the UFR des Sciences at the Université Caen Normandie. You will be mainly involved in teaching Artificial Intelligence. Depending on requirements and your skills, you will also be able to teach computer science in the Mathematics & Computer Science department of the University of Caen (bachelor's and/or master's degree). All these courses are located on the university's Campus 2.

You will need a sound knowledge of the fundamental concepts of computer science and artificial intelligence.

**Teaching and administrative responsibilities:**

You will be part of the department's teaching team, responsible for student follow-up, internships and projects. Eventually, you'll be expected to take part in the management of the courses.



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NORMANDIE



## II. RESEARCH PROFILE :

### **Theme/Project:**

We are looking for an expert in Artificial Intelligence capable of developing interdisciplinary interfaces with chemistry, nuclear physics or materials science at the Université de Caen Normandie.

### **Recruitment objectives:**

In addition to a demonstrated quality of scientific production, the person recruited must have demonstrated his/her research autonomy at international level in the field of Artificial Intelligence. He/she must also be able to demonstrate an interest in interdisciplinarity activity (in the fields of chemistry, materials science and nuclear physics would be a plus). The candidate will join one of GREYC's teams (IMAGE, MAD, CODAG) carrying out AI research activities, depending on the proposed research project.

Campus 1

Esplanade de la Paix · CS 14032 · 14032 Caen cedex 5

02 31 56 54 79

drh.recrutement.enseignants@unicaen.fr

[www.unicaen.fr](http://www.unicaen.fr)



### Application and recruitment procedures

Applications are open from **May 31, 2024 at 10:00 (Paris time) to September 15, 2024 at 16:00** noon (Paris time).

Applications must be submitted via the Galaxie application.

To access to Galaxie:

- If candidates have never logged in : The "New candidate" section allows them to be issued with a candidate number and a personal password, ensuring confidentiality and authentication of the operation.
- Once candidates have a candidate number and personal password previously issued on the Galaxie portal: They use them to identify themselves, as the Galaxie application remembers this information.

The documents to be attached to the application file are set out in the Order of 6 February

2023, as amended, relating to the general terms and conditions for transfers, secondments and competitive recruitment of lecturers, university professors and junior professors (see in particular Title III, articles 24 to 27 and Title IV, articles 28 to 31):

- photographic identification ;
- proof of possession of a PhD or a diploma, title or qualification recognized as equivalent;
- the examination report for the diploma produced or a statement from the institution certifying that no examination report has been drawn up;
- an analytical presentation of the works, books, articles, achievements and activities related to the profile of the post in question, mentioning those that the candidate intends to present at the audition;
- a copy of each of the works, books, articles and achievements mentioned in the analytical presentation and which the candidate intends to present at the audition, not exceeding 6 documents.

Applicants who do not hold a PhD must have their university diplomas, qualifications and titles recognized as equivalent to a PhD in accordance with one of the procedures set out in article 5 of decree no. 2021-1710 of 17 December 2021 relating to the junior professorship contract provided for in article L. 952-6-2 of the Education Code and article L. 422-3 of the Research Code.

Any application incomplete by the above-mentioned deadline will be declared inadmissible. Only candidates selected by the selection committee on the basis of their applications will be invited to an audition.

The aforementioned decree no. 2021-1710 of 17 December 2021 sets out the conditions for renewing contracts, the procedures for assessing scientific merit and suitability to perform the duties of each body prior to tenure, the procedures for appointing members of selection and tenure committees and the conditions of the service commitment.



# Candidature à une chaire de professeur junior

## 1. Curriculum Vitae (max 2 pages)

### 1.1. Informations personnelles

|   |  |
|---|--|
| Nom   |  |
| Prénom  |  |
| Nationalité   |  |
| Date de naissance   |  |
| Diplôme de plus haut degré obtenu dans l'enseignement supérieur |  |
| Email   |  |
| Téléphone portable  |  |
| Adresse postale   |  |
| Adresse professionnelle   |  |

### 1.2. Expériences professionnelles

| Année         | Poste | Organisation ou structure |
|---------------|-------|---------------------------|
| Plus récente  |       |                           |
| ...           |       |                           |
| Plus ancienne |       |                           |

### 1.3. Expertise scientifique (maximum 10 lignes)

### 1.4. Mots-clés (maximum 5)

### 1.5. Événements majeurs dans la carrière scientifique



Citer jusqu'à 5 faits marquants de votre carrière scientifique.

## 1.6. Relation au monde socio-économique

Contrats, membre de conseils, consulting, rôle d'expert, etc.

## 1.8 Vulgarisation scientifique

Citer les occasions/événements vous ayant permis de diffuser vos travaux auprès du grand public.

## 2. Activités de recherche

### 2.1. Description du parcours scientifique (maximum 1 page)

### 2.2. Projet scientifique en lien avec la chaire de professeur junior (maximum 3 pages)

*2.2.1. Contexte scientifique des travaux envisagés*

*2.2.2. Description du projet scientifique*

*2.2.3. Verrous scientifiques liés au projet*

*2.2.4. Indicateurs de suivi du déroulement du projet*

*2.2.5. Dissémination des travaux de recherche auprès du grand public*

## 3. Activités d'enseignement (2 pages maximum)

### 3.1. Expérience pédagogique dans l'enseignement supérieur

### 3.2. Projet pédagogique en lien avec la chaire de professeur junior au sein de l'établissement d'accueil (maximum 2 pages)

## 4. Liste exhaustive des contrats et des financements obtenus dans les activités de recherche

| Année | Source (agence, collectivité, entreprise, ...) | Intitulé du projet | Nom du coordinateur | Budget (€) | Votre rôle dans le projet |
|-------|--|--------------------|---------------------|------------|---------------------------|
|       |  |                    |                     |            |                           |
|       |  |                    |                     |            |                           |



|  |  |  |  |  |  |
|--|--|--|--|--|--|
|  |  |  |  |  |  |
|--|--|--|--|--|--|

## 5. Liste des principales/principaux publications, ouvrages, brevets, communications orales, communications par affiche

### 5.1. Synthèse

|  |  |
|--|--|
| Nombre de publications avec comité de lecture  |  |
| Nombre de publications autres (proceedings, actes de colloques, chapitre d'ouvrage, ...) |  |
| Nombre de brevets  |  |
| Nombre de communications orales  |  |
| Nombre de communications par poster  |  |
| Nombre de séminaires invités   |  |

### 5.2. Articles publiés avec comité de lecture

[1]. Titre de l'article, auteurs, Journal, Volume, pages, (année). Nombre de citations.

[2]. .....

### 5.3. Autres publications (proceedings, actes de colloques, chapitres d'ouvrages,...)

[1]. Titre du proceeding, auteurs, Journal, Volume, pages, (année). Nombre de citations.

[2]. .....

### 5.4. Brevets

*Renseigner le tableau pour chaque brevet.*

|                         |  |
|-------------------------|--|
| <b>Nom</b>              |  |
| <b>Inventeur(s):</b>    |  |
| <b>Numéro de brevet</b> |  |

### 5.5. Communications orales



UNIVERSITÉ  
CAEN  
NORMANDIE

 MINISTÈRE  
DE L'ENSEIGNEMENT  
SUPÉRIEUR  
ET DE LA RECHERCHE  
*Liberté  
Égalité  
Fraternité*

[1]. Titre de la communication, nom de la conférence, acronyme de la conférence, date, ville, pays.

[2]. .....

### **5.6. Communications par affiche**

[1]. Titre de la communication, nom de la conférence, acronyme de la conférence, date, ville, pays

### **5.7. Séminaires invités**

[1]. Titre du séminaire, structure d'invitation, personne invitant au séminaire, date du séminaire, ville, pays

[2]. .....



# Application for a Junior Professorship

## 6. Curriculum Vitae

### 6.1. Personal data

|   |  |  |
|---|--|--|
| Name  |  |  |
| First Name                                  |  |  |
| Nationality                                 |  |  |
| Birth date                                  |  |  |
| Highest degree obtained in higher education |  |  |
| E-mail                                      |  |  |
| Cell phone                                  |  |  |
| Personal address                            |  |  |
| Business professionnelle                    |  |  |

### 6.2. Professional experience

| Year   | Position | Organization or structure |
|--------|----------|---------------------------|
| Latest |          |                           |
| ...    |          |                           |
| older  |          |                           |

### 6.3. Scientific expertise (max 10 lines)

### 6.4. Keywords (max 5)

### 6.5. Major events in scientific career





List up to 5 highlights from your scientific career

## 6.6. Relationship to the socio-economic world

Contracts, advisory members, consulting, expert role, etc..

### 1.7 Dissemination of science

List the occasions/events that allowed you to disseminate your work to the general public.

## 7. Research activities

### 7.1. Description of the scientific background (max 1 page)

### 7.2. Scientific project related to the junior professorship (max 3 pages)

*7.2.1. Scientific context of the proposed work*

*7.2.2. Description of the scientific project*

*7.2.3. Scientific obstacles related to the project*

*7.2.4. Indicators for monitoring the progress of the project*

*7.2.5. Dissemination of research to the general public*

## 8. Teaching activities

### 8.1. Teaching experience in higher education (max 2 pages)

### 8.2. Pedagogical project in connection with the junior professorship at the host institution (max 2 pages)

## 9. Complete list of contracts and funding obtained in research activities

| Year | Source (agency, collectivity, company, ...) | Project title | Name of the coordinator | Budget (€) | Your role in this project |
|------|---|---------------|-------------------------|------------|---------------------------|
|      |   |               |                         |            |                           |
|      |   |               |                         |            |                           |
|      |   |               |                         |            |                           |

## 10. List of major publications, books, patents, oral presentations, poster presentations

### 10.1. summary

|   |  |
|---|--|
| Number of refereed publications   |  |
| Number of other publications (proceedings, symposium proceedings, book chapters, ...) |  |
| Number of patents   |  |
| Number of oral presentations  |  |
| Number of poster presentations  |  |
| Number of invited seminars  |  |

### 10.2. Peer-reviewed published articles

[3]. Title of article, authors, Journal, Volume, pages, (year). Number of citations.

[4]. .....

### 10.3. Other publications (proceedings, symposium proceedings, book chapters,...)

[3]. Title of article, authors, Journal, Volume, pages, (year). Number of citations.

[4]. .....

### 10.4. Patents

*Fill in the table for each patent.*

|                      |  |
|----------------------|--|
| <b>Name</b>          |  |
| <b>Inventor(s):</b>  |  |
| <b>Patent number</b> |  |

### 10.5. Oral presentation

[3]. Title of the presentation, name of the conference, conference acronym, date, city, country.

[4]. .....

### **10.6. Poster presentations**

[2]. Title of the paper, name of the conference, conference acronym, date, city, country

[3]. .....

### **10.7. Invited seminars**

[3]. Title of the seminar, inviting structure, person inviting to the seminar, date of the seminar, city, country

[4]. .....