

23/10/2019



# Early Stage Researcher: Machine Learning on Knowledge Graphs

This job offer has expired

## Where to apply

Application Deadline: 30/11/2019 23:00 - Europe/Brussels

## Contact Details

**Where to send your application.**

### COMPANY

Universität Paderborn

### E-MAIL

mone@upb.de

## Hiring/Funding Organisation/Institute

ORGANISATION/COMPANY

COUNTRY

Universität Paderborn	Germany
<b>DEPARTMENT</b>	<b>CITY</b>
Data Science	Paderborn
<b>ORGANISATION TYPE</b>	<b>POSTAL CODE</b>
Higher Education Institute	33100
<b>WEBSITE</b>	<b>STREET</b>
<a href="http://dice-research.org">http://dice-research.org</a>	Warburger Str. 100

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<b>ORGANISATION/COMPANY</b>	<b>LOCATION</b>
Universität Paderborn	Germany › Paderborn
<b>RESEARCH FIELD</b>	<b>TYPE OF CONTRACT</b>
Computer science › Other	Temporary
<b>RESEARCHER PROFILE</b>	<b>JOB STATUS</b>
First Stage Researcher (R1)	Full-time
<b>APPLICATION DEADLINE</b>	<b>HOURS PER WEEK</b>
30/11/2019 23:00 - Europe/Brussels	40
	<b>OFFER STARTING DATE</b>
	01/04/2020
	<b>EU RESEARCH FRAMEWORK</b>
	<b>PROGRAMME</b>
	H2020 / Marie Skłodowska-Curie
	Actions
	<b>MARIE CURIE GRANT AGREEMENT</b>
	<b>NUMBER</b>
	860801

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This is a full-time position, which is to be filled by April 1st, 2020. We will welcome applicants with a Master's degree pursuing a Ph.D. degree. The position is limited to the duration of the qualification procedure in the field of knowledge graphs with the EU project KnowGraphs. Depending on the previous qualification, the position is to be filled for a period of usually 3 years (according to WissZeitVG). Your salary will range between ca. 44,000 and 48,000€ per year.

Your core duties and responsibilities are to perform research on the scalability of structured machine learning (sometimes called concept learning). This includes developing efficient approximation methods with quality guarantees able to learn concepts on large-scale polymorphic knowledge graphs. Moreover, you are expected to participate actively in the research project.

Your profile:

- M.Sc. degree in computer science or in a related area.
- Background in Semantic Web technologies or knowledge representation.
- Working knowledge of languages such as RDF, RDFS, SPARQL, OWL.
- Programming skills in languages such as Java and Python.
- Previous knowledge in machine learning (especially structured machine learning) is preferable.
- Excellent communication skills and the ability to work in an international team are indispensable for the position.
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Your core duties and responsibilities are to perform research on the automatic selection of representation mechanisms for knowledge graphs. Moreover, you are expected to participate actively in the training network.

Your profile:

- M.Sc. degree in computer science or in a related area.
- Background in Semantic Web technologies or knowledge representation.
- Working knowledge of languages such as RDF, RDFS, SPARQL, OWL.
- Programming skills in languages such as Java and Python.
- Previous knowledge in machine learning (especially structured machine learning) is preferable.
- Excellent communication skills and the ability to work in an international team are indispensable for the position.
- You may not have resided or carried out your main activity (work, studies, etc.) in Germany for more than 12 months over the last 3 years (ESR mobility rule).

Applications from women are particularly welcome and, in case of equal qualifications and experiences, will receive preferential treatment according to the North Rhine-Westphalian Equal Opportunities Act (LGG), unless there are preponderant reasons to give preference to another applicant. Part-time employment is, in principle, possible. Applications from disabled people with appropriate suitability are explicitly welcome. This also applies to people with equal opportunities in accordance with the German social law SGB IX.

Interested applicants should send a letter of motivation, a curriculum vitae, scanned transcripts and diplomas before November 30th, 2019. Please send your documents to Prof. Dr. Axel Ngonga (E-Mail: mone@upb.de) using the reference number 4025. Applications after November 30th, 2019 will be considered if no fitting candidate is found by that deadline.

## ADDITIONAL INFORMATION

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### Benefits

Mobility allowance, paid vacations

### Eligibility criteria

At most 1 year of research/stay in Germany over the last 3 years (see  
<http://www.accelopment.com/blog/early-stage-researcher-esr-explained-0>)

### Selection process

- 1) Formal assessment of eligibility
- 2) Preliminary interview
- 3) Final technical interview if needed

## REQUIREMENTS

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### Required Research Experiences

#### RESEARCH FIELD

Computer science

#### YEARS OF RESEARCH EXPERIENCE

1 - 4

### Offer Requirements

#### REQUIRED EDUCATION LEVEL

Computer science: Master Degree or equivalent

Mathematics: Master Degree or equivalent

## **REQUIRED LANGUAGES**

ENGLISH: Excellent

## **Skills/Qualifications**

See description of position.

## **Specific Requirements**

See description of position.

## **WORK LOCATION(S)**

1 position(s) available at

Data Science

Germany

Northrhine Westphalia

Paderborn

33100

Technologiepark 6

EURAXESS offer ID: 456941

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