Ofertas de Trabajo de Otras Entidades

PhD position in 6G at the Department of Electrical Engineering at Uppsala University in Sweden. 21/04/2025. Fecha límite: 16/05/2025

Open position in 6G Ambient IoT at Uppsala University in Sweden. Sweden has recently been ranked as the fourth happiest country in the world.

The group: The Networked Embedded Systems research group at the Department of Electrical Engineering at Uppsala University in Sweden offers an exciting PhD position and a very friendly atmosphere in an international environment. The group performs cutting edge research in backscatter communication, intermittent computing (both cornerstones in 6G Ambient IoT), in-body communication, machine learning for embedded devices and many other research directions in the area of networked embedded systems.

Project description: 6G promises to revolutionize connectivity by delivering ultra-fast data speeds, near-zero latency, and massive connectivity for billions of IoT devices, far surpassing the capabilities of 5G. A central component of 6G, Ambient IoT, is expected to enable a wide range of new IoT applications across various industries, driven by the ability to deploy and manage billions of interconnected devices. These applications include smart cities, agricultural and environmental monitoring, smart and ubiquitous healthcare, environmental sustainability by advanced waste and resource management, to name a few. Ambient IoT devices are expected to be battery-free relying on energy harvesting and using backscatter communications to reduce the energy consumption for communication to a minimum. In this project, we aim to look at both the Ambient IoT devices as well as the infrastructure to provide scalable IoT services.

Requirements: The applicant must be interested in coming up with novel solutions within the project's topic, implement and evaluate them, ideally on real hardware using low-level computer languages such as C. Very good oral and written proficiency in English, as well as very good study results are required. In addition, we expect personal characteristics, such as a high level of creativity, thoroughness, and/or a structured approach to problem-solving. A plus is if you have experience in both

hardware and low-level software development as well as knowledge about wireless communication and networking.

Environment: We have an exciting work environment designed by the doctoral student and the research team together. The doctoral student will be supervised by at least two supervisors. The Department of Electrical Engineering also gives a salary supplement in addition to the local guidelines for doctoral students at Uppsala University. Sweden is a fantastic place for living and working and always among the top 10 countries in the world's happiness index. Swedes are friendly and speak excellent English. The quality of life is high, with a strong emphasis on outdoor activities. The Swedish working climate emphasizes an open atmosphere, with active discussions involving both junior and senior staff. Spouses of employees are entitled to work permits. Healthcare is free after a small co-pay and Uppsala University subsidizes athletic costs, such as a gym membership. The parental benefits in Sweden are among the best in the world, including extensive parental leave (for both parents), paid time off to care for sick children, and affordable daycare.

For any questions, please contact Prof. Thiemo Voigt, @email

Application: Please submit your application by May 16, 2025, at:
https://urldefense.com/v3/__https://uu.varbi.com/en/what:job/jobID:818102/__;!!D9dNQwwGXt
_tCUoXsT5lYTIACs6u3ov6kWPUmZ73fDqKEi0VetmCD015eiskqNnU8VpTk$

Two Open Positions (Postdoc and Ph.D.) at LIUPPA France. 21/04/2025. Fecha límite: 25/04/2025

Two open positions (Postdoc and a PhD) are open at LIUPPA Labs (https://liuppa.univ-pau.fr/en/home.html), Anglet - Biarritz, France.

- **Ph.D. Title**: Development of an AI-based framework using digital twin for the collection and generation of synthetic geospatial MultiSIG data for sustainable urban management.
  https://drive.google.com/file/d/1g0yvvgnl_ojz8EIK4xLjbdnkxSXvlwkV/view
- **Postdoc Title**: Multi-Agent Federated Learning for Decentralized Edge-to-Cloud Synchronization of Geospatial Digital Twins:
  https://drive.google.com/file/d/1lmQ_YhhojrN3iSRwwSJhmFI-YeKFCzxD/view

Application deadline **April 25th, 2025**

Postdoctoral Fellowship Opportunity in Smart Antenna Systems. 12/03/2025. Fecha límite: 11/04/2025

The **National Telecommunications Institute (Inatel)** is offering **two postdoctoral positions** at the **5G and 6G Network Competence Center** within the **Wireless and Artificial Intelligence Laboratory (WAI Lab)**.

Project Title: Statistical Analysis and Performance Evaluation for Advanced Smart Antenna Systems
Location: Santa Rita do Sapucaí, MG, Brazil
Fellowship: R$ 10,000/month
Application Deadline: April 11, 2025

Research Focus:

- Performance analysis of **smart antennas, RIS, FAS, and movable antennas**
- Optimization of **5G and 6G wireless communication systems**
- Application of **statistics, probability, and machine learning**

Requirements:

- Ph.D. in Electrical Engineering, Telecommunications, Computer Science, or related fields
- Experience in **smart antennas, statistics, probability, and ML**
- Proficiency in **Python, C++, MATLAB, Mathematica**

How to Apply:
Send your CV, academic background, and publication list to **@email** & **@email** with the subject: **"Post-doc position - Smart Antennas"**

Join us in shaping the future of **next-generation wireless networks!** #Postdoc #Wireless #AI #5G #6G #Telecommunications

Postdoc fellowships in UFABC/FEI/Brazil about the computing continuum and AI for smart agriculture. 26/02/2025. Fecha límite: 14/03/2025

- **FAPESP Post-doctoral Fellowship #1 - Call for applications**

The FAPESP project "SMART: Sustainable Management of Agriculture with the Intelligent Computing Continuum" (bv.fapesp.br/en/auxilios/116446) has an open Post-Doctoral position to work at the Federal University of ABC (UFABC).

The research theme is "Smart Application Deployment for the IoT Computing Continuum", dealing with the challenges of deploying smart agriculture applications over the IoT Computing Continuum (IoTinuum), considering the inherent distribution of the end-to-end path between devices and the cloud and the need for individual

services to run in multiple stages in-between. The SMART project aims to develop and deploy a trustworthy platform for smart agriculture across the IoTinuum, from field sensors to the cloud. It will utilize various sensors, data sources, networking technologies, data management, and machine learning to ensure reliable dataflow and trustworthiness. The deployment of smart applications for the IoTinuum requires the efficient orchestration of resources allocated to the services to provide the intended quality levels. Orchestration involves fulfilling the application needs by carefully matching services, resources, and workloads, including microservice placement, deployment, and migration. In the IoTinuum context, it means being aware of and monitoring the resources available in each stage, understanding the application QoS requirements (such as maximum delay), and deploying the services in the most appropriate stage, i.e., in Mist, Fog, or Cloud. An IoT smart application comprises various services (i.e., microservices), which may be deployed in different stages for distinct installations. Using a certain node within the continuum stage involves deploying services. If this stage is not used in a given installation, this service must be deployed elsewhere in another stage. Current deployment strategies cannot handle varying configurations for IoT efficient and scalable application deployment within the continuum.

The general objective of this postdoc fellowship is to design and implement an application deployment methodology for the IoTinuum that takes as input a model (such as a directed acyclic graph) representing the application and generates a deployment strategy as output. The main challenges in this proposal involve:

- A Deployment Triggering strategy, which identifies the need for a new deployment to be executed over the IoTinuum
- A Deployment Biding strategy, which means that that abstract graph representing the application will be mapped to specific nodes (with IP addresses and ports) located in different stages of the continuum, such as Thing, Mist, Fog, or Cloud
- A Deployment Distribution and installation strategy for transferring services to where they will be executed (e.g., cloud or fog)
- A preliminary version of the application deployment methodology

A highly motivated candidate is expected to show background in the following concepts:

- IoT, cloud, fog, edge, and the computing continuum
- Application deployment and DevOps strategies
- Performance analysis with experimentation techniques
- Advanced programming language skills
- Advanced English language skills
- Strong publication record

The candidate must hold a Ph.D. in Computer Science, Electrical Engineering, or

related areas (less than 7 years since graduation). The fellowship's duration is 30 months, and the monthly stipend is R$12.000,00 plus 10% for research expenses.

The term for this scholarship is expected to start as soon as possible, ideally in April 2025.

Candidates should fill out the online form at:

https://forms.gle/AxC47yMXqFi9fP9K8

Deadline: March, 14, 2025

Inquiries can be sent to carlos.kamienski@ufabc.edu.br

- **FAPESP Post-doctoral Fellowship #2 - Call for applications**

The FAPESP project "SMART: Sustainable Management of Agriculture with the Intelligent Computing Continuum" (bv.fapesp.br/en/auxilios/116446) has an open Post-Doctoral position to work at the FEI Univerity Center (FEI).

The research theme is "Developing the Intelligent IoT Continuum for Precision Agriculture: Task Allocation, Forecasting, Resource Management, and Data Analytics", dealing with the challenges of deploying smart agriculture applications over the IoT Computing Continuum (IoTinuum).

This project aims to develop an intelligent Internet of Things (IoT) system focused on precision agriculture. The aim is to create an interconnected network of devices capable of collecting and analyzing data on crop conditions, such as soil moisture, temperature, and weather conditions. Using artificial intelligence techniques, the system should be able to optimize the allocation of tasks between the different devices in the network, manage resources efficiently, and carry out predictive analyses of agricultural production. The system will train machine learning and deep learning models collaboratively through federated learning, using data from different devices without centralizing the information. Based on the data collected and analyzed, the system should predict the production of a given crop, optimize irrigation and fertilizer application, and identify possible crop problems in advance. In short, this project aims to create an innovative solution for agriculture, combining the Internet of Things with artificial intelligence to improve productivity, reduce costs, and promote sustainability.

The general objective of this postdoc fellowship is to develop an intelligent Internet of Things system for precision agriculture that can collect, analyze, and utilize data on crop conditions. The main challenges in this proposal involve:

- To design an intelligent IoT system for precision agriculture.
- To optimize the allocation of tasks and resources within the IoT network using artificial intelligence techniques.
- To perform predictive analyses of agricultural production through machine learning and deep learning models trained collaboratively using federated learning.
- To predict crop production, optimize irrigation and fertilizer application, and identify potential crop problems.

A highly motivated candidate is expected to show background in the following concepts:

- Machine Learning, Deep Learning, Neural Network Architectures, time series and their application to agricultural problems. Federated Learning is a plus
- Data Analytics, Model Evaluation and Deployment
- IoT, cloud, fog, edge, and the computing continuum
- Advanced programming language skills
- Advanced English language skills
- Strong publication record

The candidate must hold a Ph.D. in Computer Science, Electrical Engineering or related areas (less than 7 years since graduation). The fellowship's duration is 30 months, and the monthly stipend is R$12.000,00 plus 10% for research expenses.

The term for this scholarship is expected to start as soon as possible, ideally in April 2025.

Candidates should fill out the online form at:

https://forms.gle/oftX3orZz478Gne17

Deadline: March, 14, 2025

Inquiries can be sent to rbianchi@fei.edu.br

PhD position available @ University of Kentucky. 19/02/2025

PhD position available starting in Fall 2025 at the Computer Science Department of the University of Kentucky.

This is a USDA National Needs Fellowship (NNF) program, applicants must satisfy certain requirements (see below), first of all to be U.S. Citizen or U.S. Nationals, to be admitted.

The topic is AI applied to Agrifood Science and Smart Agriculture.

Please contact Simone Silvestri with your CV and Transcripts if you are interested in this position.

QUALIFICATIONS

Required Credentials

- U.S. citizenship or U.S. National
- First generation student or other categories to be discussed during the interview
- Minimum 3.5 cumulative GPA (on a 4.0 scale)
- A demonstrable interest in computer science and its application to Agrifood science and Smart Agriculture

Preferred Qualifications

- Research experience
- Excellent written and oral communication skills
- Demonstrated success in collaborative research

PostDoc Position at Johannes Kepler University Linz, Austria. 03/02/2025. Fecha límite: 26/03/2025

University Assistant (must hold a Doctorate/Ph.D. degree) for a Full-time, six-year position
Organizational unit
LIT Secure and Correct Systems Lab
Entry date
09/01/2025
Job Reference Number
151050-2025-001206

Environment
The research group for "Secure Systems" at the Secure and Correct Systems Lab focuses on security engineering and security economics by applying quantitative methods, particularly in the field of artificial intelligence. We are looking for post-doc level researchers who aim to pursue an academic career. We offer ample opportunities to conduct one's own research and manage projects in different areas of IT security, including - but not limited to - secure machine learning, security

decision support systems, protocol design and verification, formal methods and much more. Interdisciplinary approaches, such as combining machine learning with classical security mechanisms to support innovative new security concepts, are particularly welcome.

Job Duties

- Independently conduct research focusing on one or more of the areas listed under the qualifications, with the objective to earn academic qualifications at habilitation level
- Be actively involved in acquiring projects and externalfunding as well as submitting applications for research funding
- Actively take part supervising students, including classroom teaching and giving examinations
- Provide support to manage the institute's general administration activities
- Actively take part in creating and expanding national and international academic/scientific contacts
- Engage in public relations and knowledge transfer

Your Qualifications

- The successful candidate must hold a Doctorate/Ph.D. degree in computer science, mathematics, or a related field conferred by a university in Austria or abroad with thematic relevance to one or more of the following fields:
  - Applied security (e.g., network security,applied cryptography)
  - Game theory for security
  - Data Science and artificial intelligence,with applications in security
  - Discrete Mathematics
  - IT risk management
  - Security economics
- Publication experience and -record in one or several ofthe above areas (include sample papers of yours in your application, and point out your specific contribution thereto)
- Research project experience (participation in projects,acquisition or lead of projects, if any)
- Experience in programming (C, C++, etc.) is preferred
- Very good skills language skills in English required (at least B2), and in German (C1) preferred, or the commitment to learn German within the first 2 years of employment

What We Offer

- On the basis of full-time employment (40 hours/week) the minimum salary in accordance with the collective agreement is € 4,932.90 gross per month (14 x per year, CA Job Grade: B1)
- Stable employer
- Attractive campus environment with good public transportation connections
- Attractive continual educational opportunities

- State-of-the-art research infrastructure
- Dynamic research environment
- Broad range of on-campus dining services/healthy meals (organic food at the cafeteria)
- Exercise and sports classes (USI)
- ...and much more

Application Deadline

03/26/2025

The Johannes Kepler University wishes to increase the proportion of academic female faculty and, for this reason, especially welcomes applications by qualified women. If applicants are equally qualified, a woman will be given preference for this position. The university welcomes applications from qualified applicants with disabilities. These applications will be given special consideration.

Application Link
https://urldefense.com/v3/__https://karriere.jku.at/hcm/jobexchange/renderApplicationForm.do
1vtb8z5M2IS1O8WDtfNPWEGGzh7C5JrXcIdZyyG0xjI0OlckEA1L1M74IzqXpcWopQs7Qz85z4hBO

Contact
If you have questions, please contact: Univ. Prof. DI DI Dr. Stefan Rass, P +43 732 2468 545, E-mail: @email.
Exertion place address
Altenberger Straße 69, 4040 Linz

PHD positions of the EU AIGreenbotsproject. 30/01/2025

Subject: EU AIGreenbots PhD Positions

We're searching for PhD Researchers atOnePlanet Research Center !

If you are interested to develop your academic skills and study AI/robotic technologies to deal with pressing challenges in agriculture, this is a great opportunity for you!

Together with other European institutes, we recently got a EU Marie-Curie program funded: AIGreenBots EU Project, with the aim to advance artificial intelligence and robotics for precision agriculture.

There are 11 positions available, two of which are in Wageningen, in collaboration between Wageningen University & Research and OnePlanet Research Center. The positions are under supervision of Gert Kootstra and Bas Boom.

Eligibility: EU or EU-eligible citizens

We are looking for:

1. PhD Researcher: Learning transferable skills for agriculture robots
Apply here>
https://urldefense.com/v3/__https://lnkd.in/dbtY8hh5__;!!D9dNQwwGXtA!RBgDHZVLpPGbUgK3
D-uXZxuLyqss-aklvbPrAXbA$
2. PhD Researcher: Active perception & control with Edge AI
Apply here>
https://urldefense.com/v3/__https://lnkd.in/dp55RY3Q__;!!D9dNQwwGXtA!RBgDHZVLpPGbUgK3
D-uXZxuLyqss-aklstL8lqoQ$

For other PhD Positions with AIGreenbots:
https://urldefense.com/v3/__https://aigreenbots.eu/recruitment/open-positions__;!!D9dNQwwGXtA!RBgDHZVLpPGbUgK3UM0cPu7wVxwcAf1dldW7N3uQCuDPmfrFN_
D-uXZxuLyqss-aklvZA7gn7Q$

Contact: @email

Fully-Funded PhD Positions in IoT and Edge AI, University of Vienna, Austria. 20/01/2025

We have two open PhD positions (University assistant predoctoral) at the Faculty of Computer Science, University of Vienna. The topics of interest include Edge Computing, Edge AI, Federated Learning, Internet of Things, and Sensor Networks.

Position 1 (Focus: Edge AI, deadline: Jan 26): https://jobs.univie.ac.at/job/University-assistant-predoctoral/1152589701/

Position 2 (Focus: IoT, deadline Feb 9): https://jobs.univie.ac.at/job/University-assistant-predoctoral/1157801801/

Post-Doc Opportunity at Pennsylvania State University. 20/01/2025

The position focuses on the intersection of artificial intelligence and animal science for precision animal agriculture. The work involves developing advanced AI-enabled systems based on computer vision to monitor livestock phenotypes to improve animal health and productivity.

While the role is primarily research-based and data intense, there may be minimal farm work involved for ground truth data collection and setting up sensor systems at the farm. The perfect candidate may need to be willing to provide some support at the farm, which is conveniently located at a 10-minute walk from the lab.

This is the link for the formal application. Anybody who may want to ask questions is free to reach out to me at @email

15 Positions Postdoctoral Researchers, Ikerbasque Research Fellows 2025. 16/01/2025. Fecha límite: 20/03/2025

- 5-YEAR POSITION: During the last year the researcher can be assessed to obtain a permanent position.
- PHD DEGREE: Between Jan 2014-Dec 2022.
- APPLICATIONS FROM WOMEN: Are especially welcome.
- DEADLINE: March 20th.

For more info, a webinar will be held on 11/02/2025 at 16:00 CET. If you want to join, you can sign in through the following link: Join!