



CITIC

Ofertas de Trabajo de Otras Entidades

Six academic positions at Department of Computing, Imperial College London. 27/11/2024. Fecha límite: 06/01/2025

The Department of Computing at Imperial College London invites applications for up to six permanent academic positions at the levels of Lecturer and Senior Lecturer (equivalent to Assistant Professor and Associate Professor ranks in the United States, respectively) based on suitable experience. We seek strong applications in Artificial Intelligence & Machine Learning, Computer Graphics & Computer Vision, Quantum Computing and Quantum Information, and Software Engineering. While these four areas are of strategic importance to the Department, we will also be happy to include truly outstanding candidates in all areas of Computing.

Deadline is 6 January 2025. Details can be found in:

<https://www.imperial.ac.uk/jobs/search-jobs/description/index.php?jobId=21963>

If there are questions, please email Professor Luk: @email

Opportunity Post-Doctoral fellowship - Research in 5G and B5G slicing, orchestration and programmability. 04/11/2024. Fecha límite: 15/11/2024

Subject: Pos-Doctoral fellowship - Research in 5G and B5G slicing, orchestration and programmability

Possible working places (universities in Brazil): UFMG, UFES, UFRGS, UNICAMP, UNISINOS

Post-doctoral fellowship: Monthly stipend of R\$ 12.000,00 (about USD 2,200 or EUR 2,000) plus research contingency funds and moving assistance.

Deadline to apply: November 15, 2024

<http://citic.ugr.es/>

Beginning at: Dez 2024 to Fev 2025

Duration: 12 months

Application:

<https://forms.gle/CxeuBrpBsumHvvKq7>

Two 12-month postdoctoral fellowships to work on a joint research project between these Brazilian universities: UFMG, UFES, UFRGS, Unicamp, Unisinos. The work location is flexible, in one of the partner cities: Belo Horizonte-MG, Vitória-ES, Porto Alegre-RS and Campinas-SP The selected candidate will be allocated to one of the partner universities and will work with researchers from the consortium.

The fellowships are part of the project "PORVIR-5G - Programming, Orchestration and Virtualization in 5G Networks", based at UFMG, which aims to develop new architectures and mechanisms to improve 5G networks in general. The postdoctoral candidate will work on the use of artificial intelligence (AI) and machine learning in the orchestration of 5G, B5G and 6G networks, as well as on network slicing and programmability of virtual networks. More information about PORVIR 5G at: <https://porvir-5g-project.github.io/>.

The vacancies are open to Brazilians and foreigners. Those selected will receive a Fapesp Foundation (www.fapesp.br) Postdoctoral Fellowship in the amount of R\$12,000.00 (about USD 2,200 or EUR 2,000) per month and a Technical Reserve equivalent to 10% of the annual value of the fellowship to cover unforeseen expenses directly related to the research activity. Support for travel to the city of work will be provided.

Contact to ask questions: @email

Oportunidad de doctorado (FPI) en Física Estelar dentro de la misión PLATO. 24/10/2024. Fecha límite: 31/10/2024

Oportunidad de Doctorado en Física Estelar: Únete a la Misión Espacial PLATO

La misión de la Agencia Espacial Europea (ESA) **PLATO**, cuyo lanzamiento está previsto para 2026, es una de las misiones espaciales más esperadas de la década. Su objetivo no es solo revolucionar nuestra comprensión de las **estrellas**, sino también contribuir a la **detección y caracterización de exoplanetas**. PLATO proporcionará conocimientos sin precedentes sobre la estructura, evolución y oscilaciones estelares, al tiempo que permitirá descubrir planetas similares a la Tierra en órbita alrededor de estrellas distantes. Dado que la misión se desarrollará

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durante la tesis, tendrás la oportunidad única de contribuir activamente a este proyecto innovador.

Ofrecemos una emocionante posición de doctorado en la **Universidad de Granada**, en colaboración con la misión PLATO. El proyecto se centrará en la **caracterización de estrellas de tipo A-F** a través de fotometría, espectroscopía y modelos astrosismológicos, contribuyendo directamente al éxito de esta importante misión espacial.

¿Qué harás?

- Estudiar la estructura interna estelar determinando parámetros físicos mediante espectroscopía avanzada, con especial énfasis en la rotación estelar.
- **Analizar curvas de luz** utilizando técnicas astrosismológicas de vanguardia para comprender las oscilaciones en las estrellas.
- **Desarrollo de modelos astrosismológicos**, que incluyen modelos de evolución y sísmicos, que se utilizarán para interpretar las observaciones de PLATO.
- **Apoyar el desarrollo del pipeline de modelado estelar de PLATO**, específicamente para estrellas de tipo A-F, clave para comprender los hallazgos de la misión.
- **Colaborar en dos paquetes de trabajo** de la misión PLATO, contribuyendo al éxito general de este ambicioso proyecto espacial.

¿A quién buscamos?

- **Formación Académica:** Grado en Física, Matemáticas, **Telecomunicaciones o Informática**.
- **Requerimientos académicos:** Máster en Astrofísica o disciplinas afines.
- **Habilidades:** Sólida base en física estelar, especialmente en espectroscopía o modelado estelar.
- **Idiomas:** Nivel intermedio de inglés.

¿Por qué solicitarlo con nosotros?

Al unirse a nuestro equipo, jugarás un papel crucial en una de las misiones espaciales más grandes e influyentes de nuestro tiempo. El lanzamiento de PLATO en 2026 te permitirá estar activamente involucrado cuando la misión recopile sus primeros datos, ofreciéndote una oportunidad única de estar en primera línea de los

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descubrimientos científicos que transformarán nuestra comprensión de las estrellas y los exoplanetas. Además de la misión PLATO nuestro grupo posee una implicación importante en la propuesta de una nueva misión de la ESA: **HAYDN**, cuyo objetivo es la astrosismología en cúmulos estelares con el objetivo de entender la evolución estelar en todas sus etapas con la alta precisión que proporciona la astrosismología espacial.. Durante el PhD el candidato podrá trabajar activamente en la preparación de esta misión.

¿Cómo solicitarlo?

Envía tu CV, haciendo referencia a tus habilidades relacionadas con los requisitos anteriormente mencionados, a **Juan Carlos Suárez Yanes (@email)** y **Antonio García Hernández (@email)** antes del 1 de Noviembre!.

Fechas importantes

- Contacto con nosotros y envío de **CV** (1/11/2024).
- Posible entrevista y elección de candidato (1-4/11/2024)
- Fecha límite para **solicitar el contrato FPI** al Ministerio (6/11/2024)

Open PhD position at Kaunas University of Technology. 24/10/2024

DC9 Ph.D. offer in the consortium DONUT at Kaunas University of Technology: "Human emotion recognition using a hybrid Brain-Computer Interface (BCI) and Muscle-Computer Interface (MCI) system"

<https://euraxess.ec.europa.eu/jobs/186013>

Offer Description

The European Doctoral Network for Neural Prostheses and Brain Research (DONUT) is a 4-years EU-Horizon Europe Marie Skłodowska-Curie Doctoral Network project that is aimed to bring together leading experts from several European universities with the mission to provide a multidisciplinary and intersectoral Doctoral Network for talented young researchers (Doctoral Candidates). The network connects leading scientists and institutions with several industries over different research fields, providing opportunities for young researchers to gain experience in translational research in electroencephalography (EEG)-based measurements and Brain-Computer Interface (BCI) applications, healthcare, and industry.

DONUT researchers will benefit of a dense network of contacts with scientists acquired during network-wide training events, to improve their career prospects in the European and worldwide innovation sector, having the opportunity to become

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scientists employable in both the industrial and academic sectors. The participation of 7 industrial participants in research and training programmes will guarantee extensive inter-sectoral experience for the trainees and maximise the impact.

Ph.D. project description:

Better understanding of cognitive processes underlying human emotions include the study of patterns in brain activity (electroencephalography; EEG) and facial muscle activity (facial surface electromyography - EMG). EMG measures the electrical activity of the muscles by using electrodes placed over the muscle of interest. In this paper we focus on the use of facial EMG signals for emotion recognition. The analysis of facial EMG data is challenging due to high dimensionality, non-stationarity of signals, high noise and large inter-subject variability. Traditional neurocomputing methods employ averaging over multiple trials to eliminate random noise and enhance useful signal, which often requires many hours of recordings. Useful applications of facial EMG reading also include fatigue recognition in lorry drivers, evaluation of neurological conditions of patients, stress recognition in students, neuromarketing, driver distraction recognition, telerehabilitation and health monitoring, or extracting the psychological status of mentally impaired persons, or as an alternative channel of human-computer communication. Dimensional models can express complex emotions in a two-dimensional continuous space: Valence-arousal (VA), or in three dimensions: Valence, arousal, and dominance (VAD).

The Aim and Objectives

The aim of this PhD topic is to develop and explore the methods necessary for the recognition of externally expressive emotions (positive, neutral, negative) by using a hybrid neuronal (EEG and EMG) interface.

Objectives:

- Predict the emotional state of the control subject from single-trial EEG data and compare it with the results obtained using fused EEG-EMG data.
- Propose a deep learning model architecture that may be used to train on smaller data sets while maintaining generalization despite noisy data.
- Investigate how data augmentation using, for example, generative adversarial networks would improve the result.

Where to apply

E-mail: @email

Post-Doctoral Researcher Job in Advanced tools and

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libraries for exascale. 22/10/2024. Fecha límite: 23/11/2024

We have a post doctoral position at the Department of Civil and Computer Science Engineering of the University of Rome Tor Vergata, Italy, in the context of the EuroHPC project EoCoE3 (

[https://urldefense.com/v3/__https://www.eocoe.eu/__;!!D9dNQwwGXtA!RJWSdupBk0g32_qjNHm5VBMKATa0X-pgKuM1hWuDOhYkeWbZY3JXlc4jSKrBm6NFCr8VVASsiasD-vPqkgsVit2LYzg\\$](https://urldefense.com/v3/__https://www.eocoe.eu/__;!!D9dNQwwGXtA!RJWSdupBk0g32_qjNHm5VBMKATa0X-pgKuM1hWuDOhYkeWbZY3JXlc4jSKrBm6NFCr8VVASsiasD-vPqkgsVit2LYzg$)) on the topic of "Advanced tools and libraries for exascale, and their use in flagship applications" under the joint supervision of Salvatore Filippone and Valeria Cardellini.

The research activities will focus on the development of mathematical software libraries needed in the physics-driven computational models of lighthouse codes and the data processing during and after simulations. The main objective in EoCoE3 is in extending the libraries to boost node-level efficiency, by exploiting at the best processors heterogeneity of high-end supercomputers, and scalability toward exascale. The activities will also comprise a collaboration with the development of the flagship applications for Wind and Water simulations.

The duration of the appointment is for 12 months, starting in Early 2025 (possible extension for a second year) and the yearly gross salary is EUR 32.000,00.

The requirements for application are:

- A doctoral degree in Computer Engineering, Computer Science, Computational Science, Mathematical Engineering or related field;
- Experience in scientific software development for High Performance Computing with C/C++/Fortran;
- Knowledge of parallel programming using MPI and/or OpenMP;
- Knowledge of CUDA would be an advantage.

To submit your application by November 23rd, 2024:

[https://urldefense.com/v3/__https://pica.cineca.it/uniroma2/f3-2024-0022/__;!!D9dNQwwGXtA!RJWSdupBk0g32_qjNHm5VBMKATa0X-pgKuM1hWuDOhYkeWbZY3JXlc4jSKrBm6NFCr8VVASsiasD-vPqkgsVxl3061k\\$](https://urldefense.com/v3/__https://pica.cineca.it/uniroma2/f3-2024-0022/__;!!D9dNQwwGXtA!RJWSdupBk0g32_qjNHm5VBMKATa0X-pgKuM1hWuDOhYkeWbZY3JXlc4jSKrBm6NFCr8VVASsiasD-vPqkgsVxl3061k$)

Three Post-doc opportunities: FAPESP/Ericsson SMARTNESS Center @ University of Campinas, Brazil. 14/10/2024

The SMARTNESS 2030 Engineering Research Center

(
https://urldefense.com/v3/__https://smartness2030.tech/__;!!D9dNQwwGXtA!WEqtNM1FpjUQ6

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) is devoted to studying and developing impact research on intelligent networks and services that will shape the future of telecommunications by 2030. It receives funding through a long-term agreement between FAPESP, the São Paulo State Research Foundation, and Ericsson.

We currently have three Post-doctoral researcher positions open associated with the University of Campinas.. Please refer to the following links for application details:

1. FAPESP Post-doc in edge-assisted drone management in 5G/6G

(Deadline: Oct-15, 2024):

https://urldefense.com/v3/__https://smartness2030.tech/opportunities/post-doctoral-fellowship-in-the-area-of-edge-assisted-drone-management-in-5g-6g-2/__;!!D9dNQwwGXtA!WEqtNM1FpjUQ6BhTGpcRdJKFukEJWhtjPgodTefoW35GXonKw8w0Hrdnd

2. Post-doc in Education Management and Knowledge Dissemination

(Deadline: Oct-31, 2024):

https://urldefense.com/v3/__https://smartness2030.tech/opportunities/post-doctoral-fellowship-in-edk-education-management-and-knowledge-dissemination/__;!!D9dNQwwGXtA!WEqtNM1FpjUQ6BhTGpcRdJKFukEJWhtjPgodTefoW35GXonK

3. Post-doc in Executive Management (Deadline: Oct-31, 2024):

https://urldefense.com/v3/__https://smartness2030.tech/opportunities/post-doctoral-fellowship-in-em-executive-management/__;!!D9dNQwwGXtA!WEqtNM1FpjUQ6BhTGpcRdJKFukEJWhtjPgodTefoW35GXonK

PhD in Deep Learning and Computer Vision at Univ Alicante. 03/10/2024

Open position for a funded PhD in Deep Learning and Computer Vision for nutritional personalized treatments.

If you are interested, more information and intructions on how to send your CV and cover letter is at:

[https://urldefense.com/v3/__https://www.linkedin.com/jobs/view/4037796247/__;!!D9dNQwwGXtA!xyP_7ypNIPxjGslY_kSoO5jlqU-dG3Kyq09BxLVB1ZFA\\$](https://urldefense.com/v3/__https://www.linkedin.com/jobs/view/4037796247/__;!!D9dNQwwGXtA!xyP_7ypNIPxjGslY_kSoO5jlqU-dG3Kyq09BxLVB1ZFA$)

Consultor SAP en Jungheinrich Digital Solutions, Madrid. 30/09/2024

La corporación multinacional alemana Jungheinrich busca un Consultor SAP SuccessFactors para su sede en Madrid en modalidad híbrida

Descripción del puesto: Experiencia laboral: 3-5+ años

Tipo de empleo: Fijo "Full Time" como empleado interno

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Ubicación y modalidad: Madrid, híbrido (3 días desde casa + 2 en oficina)

Salario: Según cualificación y experiencia

Formación: Estudios universitarios en informática, ingeniería eléctrica o similares

Idiomas: Inglés de negocios B2/C1

Interesados/as: Enviar CV en inglés a @email, indicando en el asunto: "SSFF Consultant".

Ubicación de la empresa:

Jungheinrich Digital Solutions S.L.

Gran Vía 30, 7º planta, 28013 Madrid

Post-Doctoral Positions at University of Kentucky. 17/08/2024. Fecha límite: 06/11/2024

Our university offers two Post-Doctoral positions for students who recently graduated, or are about to graduate.

The positions are for individuals who are citizens or a non-citizen national of the United States or have been lawfully admitted for permanent residence.

<https://www.research.uky.edu/internal-research-support-programs/postdoctoral-fellowships>

If you qualify and are interested in working on cyber-physical systems please contact @email.

Postdoc openings on LLM and FPGA accelerators at UCSB. 09/08/2024

My group at UCSB has two postdoc openings related to energy-efficient training of transformers/LLMs:

- Position 1 is about scalable on-FPGA training of transformers. We are looking for a candidate with a strong background in FPGA-based AI accelerator design, as shown by their publication records in top-tier conferences/journals in this field.

- Position 2 is about energy-efficient pre-training of large language models (LLM). We are looking for a candidate with rich experience in parallel/distributed computing on massive GPUs, as shown by relevant publications. We have access to hundreds of A100 GPU cards for the project, and probably thousands of A100 GPUs in the coming 3 years.

We are collaborating with leading industrial research labs at Intel, Amazon, Meta and

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HP.

Our annual postdoc salary ranges from \$65k to \$80k, depending on the candidate's experience & academic record. H1B visa sponsorship is possible for exceptional candidates.

If you are interested, please send your CV and the contact information of two referees to my email ([@email](#)).