Becas de doctorado en IA (Edimburgo UK)

30/04/2021

Buenos días, se adjunta una oferta para realizar una tesis doctoral (PhD) en Naiper University (Edimburgo UK), con posibilidad de tener un co-director de la UGR (Instituto Dasci https://www.dasci.es). La gratificación son unas 15.000 libras esterlinas anuales durante 3 años, comenzando en verano de 2021.

La fecha para realizar la solicitud termina el próximo 4 de Mayo. Más información en el siguiente enlace:

https://www.jobs.ac.uk/job/CFB571/3x-fully-funded-cog-mhear-phd-studentships

En caso de tener interés, por favor contactar con el profesor Alberto Fernández en alfh@ugr.es

All information about the position can be found at https://www.jobs.ac.uk/job/CFB571/3x-fully-funded-cog-mhear-phd-studentships

The School of Computing at Edinburgh Napier University (ENU) is inviting applications for three fully-funded PhD studentships to support the prestigious UK EPSRC funded Programme Grant: COG-MHEAR, led by Programme Director, Professor Amir Hussain. ENU Co-investigators are Prof Ahmed Al-Dubai, Prof Bill Buchanan and Prof Emma Hart.

COG-MHEAR is a world-leading cross-disciplinary research programme funded under the EPSRC Transformative Healthcare Technologies 2050 Call. It includes academic partners from 6 other UK Universities and a strong User-Group comprising industrial and clinical collaborators, and end-user engagement organisations (including

Copyright© 2024 Universidad de Granada

Sonova, Nokia-Bell Lab and Deaf Scotland). The ambitious programme aims to develop the world's first multi-modal hearing-aid demonstrator by radically exploiting and integrating the transformative potential of privacy-assuring and explainable AI, 5G, IoT and cybersecurity, coupled with flexible (skin-based) electronics.

Further information about the School of Computing can be found here. Additional facts and figures on the University can be found here.

The appointed PhD students will take an active research role, under the supervision of COG-MHEAR investigators and COG-MHEAR postdoctoral fellows, to support one or more individual project in COG-MHEAR. The PhD students will be mentored by leading professors and supported to develop interdisciplinary research and innovation skills.

As part of a cohort-based training programme, the ENU PhD students will undertake supervised research in collaboration with other COG-MHEAR project teams and students. This will include participation in external research networks and appropriate events in order to build new relationships, exchange ideas and disseminate findings, including through the development of relationships with postdoctoral researchers, PhD students and COG-MHEAR User-Group members.

Priority COG-MHEAR PhD research areas of interest include:

Privacy-preserving and explainable artificial intelligence (AI)/machine learning and large-scale optimisation for real-time multi-modal speech enhancement and intelligibility evaluation. This can include novel AI algorithms for exploring public/end-user perceptions of hearing-aids and other assistive-hearing technology, eliciting end-user requirements, development of real-world audio-visual (AV) speech-in-noise tests and clinical evaluation of AV hearing-aid prototypes. (2 Studentships) IoT-enabled real-time speech enhancement and hearing-aid prototype development, including exploring flexible/quantum-electronics and multimodal wireless sensing for end-user cognitive load management. (1 Studentship) Applicants are expected to hold a very good (at least 2.1) undergraduate degree or Masters degree in a relevant discipline with strong quantitative research skills. Examples of relevant disciplines include: artificial intelligence/machine learning, hearing-aids/assistive technology, language and speech processing, clinical and intelligibility evaluation, IoT-enabled computer vision, wireless RF sensing and analytics, flexible/quantum electronics, neuromorphic hardware/engineering, and/or multi-modal signal/image processing.

Copyright© 2024 Universidad de Granada

A relevant publications record would be desirable, along with some experience of audio/visual recordings, speech, language, audiology or hearing science. Applicants from industry, or with relevant industrial experience, are also encouraged to apply.

Please note that the studentships will provide a stipend at the UKRI rate (£15,609 per year for 2020/21) and cover tuition fee at the UK/Home student rate only. International applicants will be required to pay the difference in overseas and home-rate tuition fee.

Copyright© 2024 Universidad de Granada