







Postdoctoral Fellowship

Scope of research

Stellenbosch University's Department of Electrical and Electronic Engineering extends an invitation to qualified candidates for a postdoctoral position in speech processing. This role focuses on developing speech processing models tailored for child speech input in Afrikaans, isiXhosa and siSwati. The larger objective is to integrate these models into language-based educational math and language games. Your responsibilities will include the development and refinement of speech processing models, their integration into educational games, collaboration with a distinguished team of researchers and educators, active contribution to educational technology, and documentation of the research findings.

The position will be under the supervision of [Prof. Herman Kamper](#). You will be part of the Language, Speech and Learning (LSL) group situated within the MediaLab at Stellenbosch University. Stellenbosch University stands as a globally recognised institution, ardently committed to the pursuit of academic excellence and pioneering innovations. The MediaLab provides an environment that fosters vibrancy, collaboration and access to cutting-edge facilities.

Minimum requirements

-  Hold a doctoral degree in a pertinent field, such as speech processing or machine learning, obtained within the last five years.
-  Exhibit exceptional proficiency in programming, particularly in Python.
-  Possess hands-on experience with prominent machine learning frameworks, specifically PyTorch.
-  Demonstrated knowledge of speech processing and linguistic analysis, e.g. by having published work at speech processing conferences.

Dates

Commencement of duties: 1 January 2024

Application closing date: 30 November 2023

Application process and enquiries

Send a letter of application together with a comprehensive curriculum vitae listing all your publications and contact details of at least two referees to Prof. Kamper (kamperh@sun.ac.za) by the application deadline of 30 November 2023.

Please note that postdoctoral fellows are not appointed as employees, and their fellowships are awarded tax-free. They are therefore not eligible for employee benefits. The University reserves the right not to make an appointment if suitable candidates do not apply.