



Multilingual Speech Technologies

Vacancy: Postdoctoral Fellowship at MuST, NWU (two positions available)

Applications will be reviewed on a rolling basis, and the positions will be considered open until filled. Commencement of duties: Flexible, January-March 2019 preferred

The Multilingual Speech Technologies (MuST) research group creates and applies **machine learning** technologies in different domains, including speech and language processing. We have a long-term aim to better understand and utilise computational learning; and have created a focussed, research-centred environment where both junior and senior researchers can contribute to this goal. MuST forms part of the **Faculty of Engineering** at North-West University (NWU), South Africa, and is a node of the South African National Centre for Artificial Intelligence Research (CAIR).

MuST invites South African and international fellows to join us as a postdoctoral fellow. If you have recently obtained a PhD in a related Engineering/Scientific field and have an interest in machine learning, deep neural networks, statistical pattern recognition and/or generalisation within the context of Artificial Intelligence, you are encouraged to apply.

If you are the successful candidate, MuST offers you an environment in which to develop your research skills, collaborate and publish internationally, and grow your own research profile. You will work in collaboration with a supervisor and participate fully in the research programme of the group. You will interact with our postgraduate students too, and potentially act as co-supervisor for research masters and doctoral students.

The fellowship is driven by merit and is awarded in line with the NWU policy on employment equity. The position is offered at one of two locations: Potchefstroom at the Faculty of Engineering, and Hermanus at the MuST research lab.

Minimum requirements

- Relevant PhD degree (e.g. Engineering, Computer Science, Mathematics), obtained within five years before the appointment as a postdoctoral fellow.
- Strong programming and/or scripting skills (especially Python, C++).
- Good technical writing skills and a sound publication record.
- Ability to co-supervise students.
- Self-motivated individual with strong interpersonal skills.
- Prior machine learning experience is a distinct advantage.

Duration and value of the fellowship

The fellowship will be awarded for an initial period of one year, and is renewable for a second and third year, contingent upon available funding, satisfactory performance on the research project(s) as agreed with the fellowship advisor and productive integration into the research group.

- The grant will fund the successful candidate at R300 000.00 per annum, **non-taxable**.
- A further maximum amount of R20 000 per annum will be made available for running costs.
- An once off amount to a maximum of R20 000 will be made available for relocation costs.
- You will be required to purchase private medical cover unless you can show evidence of suitable existing cover. Assistance in this regard can be provided by the International office.

Send your CV and a short motivation of why you are interested in a postdoctoral fellowship at MuST to assistant.must@gmail.com.

Enquiries: assistant.must@gmail.com / +27 28 312 1907

More information: www.nwu.ac.za/must