

## POST DOCTORAL RESEARCH FELLOWSHIP 2023

University of the Witwatersrand, South Africa

School of Computer Science and Applied Mathematics

Research Focus Area for PDE-Constrained Optimization Problems

A full-time postdoctoral research fellowship is available in the area of PDE-Constrained Optimization Problems at the University of the Witwatersrand, South Africa. The fellowship will enable an outstanding doctoral graduate to obtain additional experience in research and innovation. We are specifically looking for an applicant that is working in PDEs, preferably with a specialization in PDE-Constrained Optimization Problems. Depending on the candidate's productivity, the fellowship may be renewed for a few additional years beyond its initial one-year term.

### ELIGIBILITY CRITERIA:

- Must have graduated within the last five years with a PhD degree in Mathematics with a specialization in PDEs, preferably specialized in PDE-Constrained Optimization Problems.
- Must have a proven track record in research with at least two papers (published or accepted) and preferable already some international network.
- Successful applicants must be able to relocate to the University of the Witwatersrand for the duration of the fellowship.

### THE SUCCESSFUL CANDIDATE WILL BE REQUIRED TO:

- Demonstrate relevant experience, understanding and knowledge of PDEs and Optimization.
- Conduct innovative research in in PDE-Constrained Optimization Problems.
- Maintain publishing in high quality journals and present work at national and international conferences.
- Contribute to the research productivity of the school and assist in research endeavours of it, including the organization of workshops and supervision of postgraduate students.

COMMENCEMENT OF FELLOWSHIP: As soon as possible.

APPLICATION: Please email the following documents to Prof S.A. Mohammadi by email: [abbas.mohammadi@wits.ac.za](mailto:abbas.mohammadi@wits.ac.za)

- Full CV including a list of research publications.
- Full transcript of recent academic records and copy of doctoral degree certificate and any other relevant certificate.
- Copy of ID document (or copy of passport in the case of foreign applicants)

CLOSING DATE: 31 December 2022

FOR ENQUIRES

Please contact Prof S.A. Mohammadi by email: [abbas.mohammadi@wits.ac.za](mailto:abbas.mohammadi@wits.ac.za)