

Job opening: Applied Scientist

Institute of Mine Seismology

About the role

IMS is advertising a permanent position for an Applied Scientist to join our Applied Geophysics team in Somerset West, South Africa. We are looking for a diligent candidate with a strong mathematical and scientific background, who is eager to learn. The ideal candidate should be able to work well in a small team, be trustworthy, enthusiastic and flexible.

The advertised role encompasses a range of activities from routine reporting to cutting-edge research and development. Some of the envisaged duties include data analysis for local and international customers, once-off consulting projects, research and implementation of new geophysical signal processing and imaging algorithms. The successful candidate will occasionally travel nationally and internationally to visit customers and to present at conferences.

Minimum requirements for this role:

- Strong background in the mathematical sciences
- M.Sc. in physics, mathematics, applied mathematics, geophysics, or similar
- Computer literacy
- A passion for learning new skills

Desirable additional attributes:

- Computer programming experience (Especially in Python and/or Java with a focus on scientific applications and parallel computing)
- Knowledge about and experience in scientific data visualization
- Experience with using Linux
- A passion for physics
- Good communication skills, including writing in English

No previous domain experience is required – IMS will supply in-house and on-the-job training, but an enthusiastic willingness to learn will be essential.

About IMS

The Institute of Mine Seismology (IMS) is the world's largest independent research organisation focused on developing methodologies, technology and services for monitoring and managing the seismic rock mass response to mining. The IMS currently has over 210 customers in 34 countries. IMS has built and operates more than 70 active seismic monitoring systems in South Africa, over 60 in Australia, and at least another 80 in the rest of the world.

IMS has offices located in Hobart (Tasmania), Somerset West (South Africa) and in Canada. More information about the company is available at <http://imseismology.org>.