

Sessional Meeting Notice



**All members of the
Actuarial Society of South Africa
are hereby invited to a sessional meeting**

Big Data in the Cloud

Insurance companies are increasing their reliance on more rich and varied datasets to manage and operate their businesses.

Insurance companies are no strangers to managing data and computer systems and some of the first computers were installed at banks and insurance companies to automate their processes. Over time massive investments have been made in physical data centres, software licence purchases, disaster recovery and data protection measures. Outages can cost companies millions in lost revenue and reputational damage.

Investments in computer capacity have traditionally been of a capital nature. Big data has increased the demands on companies to invest in new hardware and software to cope with the every increasing volume and speed at which data is being received and the need to analyse it.

In reponse, many companies are considering making use of cloud computing solutions, where both hardware and software can be "hired" on demand for as long as these resources are needed.

This sessional will explore the privacy and security concerns with reference to sensitive health insurance data by exploring the following topics

- Regulatory framework (POPI, GDPR and HIPAA)
- Data governance
- Attribute-based access control
- Classification of data by identifiability and sensitive content (PII, QPI and non-PII)
- De-identification techniques
- Re-identification risk for some data
- Tracking and auditing data use
- Mitigating hacking and ransomware threats

We will also consider the approach to assessing the cost implications for moving part or all of your data to the cloud instead of investing in an on-premises big data warehouse.

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Sessional format information:

Sessional Level	High-level Principles
Sessional Type	Presentation with questions

The sessional meeting will take place via videoconferencing as follows:

Johannesburg	
Date	27 March 2018
Venue	Auditorium Deloitte and Touche Building 3, 20 Woodlands Drive Woodmead Sandton
Time	16h30 – 18h00
RSVP to	Noluvuyo Mafani Click here
RSVP deadline	23 March 2018

Drinks and snacks will be served after the meetings. It is important that members wishing to attend notify the respective contact person before the due date. This ensures that we do not over or under cater. Please also call if you change your mind about attending.