



2019 Convention

22 - 23 October

Sandton Convention Centre, Johannesburg

Early registration closes on 31 July 2019

If you haven't registered yet, please be sure to do so today, as from 1 August 2019 standard registration fees will apply. [REGISTER NOW!](#)

Additional Programme Teasers

In anticipation of the 2019 Convention drawing closer, the Organising Committee would like to share some additional programme teasers, in the hope that you will be as excited as we are. Please see some extracts of the topics that will be presented at this year's Convention below, view all of the other presentation summaries and updated programme on the [website](#).

Can the discrimination in risk underwriting in the life insurance industry be ethically justified? by Andries Francois Marais

Discrimination based on age, sex, smoking status and socio-economic class is widely used in life insurance underwriting. The normal justification provided is actuarial equity and economic necessity. The paper considers the ethical justification of doing such. The practical outcomes will include insight into the history and nature of the discrimination in the life insurance industry, introduction into the theory of contractualism, consideration of the possible reputation risk to the Actuarial profession as well as a practical example.

Application of actuarial techniques in banking by Michael Tichareva

The presentation will cover at a high level some of the techniques being applied or that can be applied by actuaries in the following areas of work in banking:

- Actuaries performing IFRS 9 and other credit risk modelling work such as modelling of Probability of Default, Loss Given Default and Exposure at Default
- Data Analytics in many areas of banking work
- Balance Sheet and Capital Management
- Liquidity and Funding Risk Management
- Interest Rate Risk Management in the banking book
- Operational Risk Management such as fraud analytics

Application of machine learning methods to estimate the profitability of retail customers by Thabiso Twala

This presentation will cover machine learning techniques that can be applied in the consumer credit risk space, for pricing of retail credit. A comparison will also be made to more traditional credit scoring and pricing methods. The outcomes include an understanding of how machine learning techniques can be applied in this type of environment, an understanding of how exogenous and endogenous factors can be incorporated into the pricing model, and an understanding of how machine learning techniques can be extended to model impairment provisions and capital requirements.

Enhancing the probability of delivering alpha by Bhekinkosi Khuzwayo, Teboho Tsotetsi

Delivering alpha in a low return, low dispersion environment has proved challenging for active managers. This presentation will demonstrate how managers can enhance their probability of delivering alpha by incorporating innovative risk management techniques. This will not only provide an active manager with a deeper understanding of the factors that drive a benchmark's returns, but it also opens up the possibility of blending multiple active managers with differentiated styles (within an investment portfolio), to enhance performance. An understanding of a benchmark in this manner gives the active manager the ability to apply his skills to those areas of the benchmark where skill has been proven to deliver value, thereby enhancing performance. The risk management techniques that the presenters aim to demonstrate should enhance the probability that an active manager will generate alpha.

The Convention Organising Committee looks forward to hosting you.

Regards

The 2019 Convention Organising Committee

Convention Secretariat | African Agenda

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