

# CoE-MaSS weekly seminar series

THE DST-NRF CENTRE OF EXCELLENCE IN  
MATHEMATICAL AND STATISTICAL SCIENCES (CoE-MaSS)  
PRESENTS A SEMINAR BY

**Dr Michael Rogans**

*(School of Statistics and Actuarial Science,  
University of the Witwatersrand, Johannesburg)*

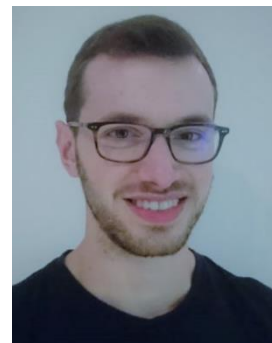
## ***“Conditional Expectation and Mixing in Riesz Spaces”***

Friday, 16 August 2019  
10h30-11h30

CoE-MaSS Seminar Room, 1<sup>st</sup> floor, MSB, Wits.

The study of stochastic processes in a measure-free setting has been facilitated in recent times through the abstraction of the underlying space of measurable functions as a Riesz space satisfying certain order properties. As an introduction to this growing field of research, this abstraction will be presented explicitly, after which the characterisation of conditional expectation operators in a Riesz space will be considered.

Finally, the notion of mixing will be discussed, in which results from the paper “W.-C. Kuo, M.J. Rogans, B.A. Watson, Mixing inequalities in Riesz spaces, J. Math. Anal. Appl., 456 (2017), 992-1004” will be presented.



Email: [Michael.Rogans@wits.ac.za](mailto:Michael.Rogans@wits.ac.za)

You can connect to all CoE-MaSS weekly seminar series remotely using Vidyo.

1. Click on this link to connect to the [CoE-MaSS Seminar Room](#)
2. Type in your display name (e.g. *UKZN-NameSurname*)
3. Click Go.

If you have trouble connecting, please phone the Technical Support Officer on duty in-venue between 10h00-10h25 on +27(0)11 717 6079. *This phone will not be answered once the seminar has started.*

---

### **Important videoconferencing netiquette:**

Please ***mute your microphone*** so that there is no feedback from your side into the virtual room. During the Q&A slot you can then unmute your microphone if you have a question to ask the speaker. Thank you.

