

2015 NWU-PUK Mathematics Workshop and Spring School

Theme: Functional Analysis and its Applications

Spring School: 18-22 September 2015

Workshop: 23-26 September 2015

Second Announcement: We hereby wish to announce and provide further details regarding the above workshop and spring school.

Spring School: The focus of the Spring School will be on the theoretical aspects of Stochastic Processes and its Applications, and will culminate in a focus day on Stochastic Processes during the workshop, planned for 23 September. Three themes will run concurrently in the Spring School, namely:

- Quantum Stochastic Processes: Rajarama Bhat (Indian Statistical Institute, India)
- An Introduction to Copulas with Applications: James Allison (NWU) and Jan Swanepoel (NWU)
- Stochastic Processes in Riesz Spaces: Koos Grobler (NWU) and Coen Labuschagne (WITS)

The objective of each short course will be to provide participants with an overview of the field in question and are designed so as to be accessible to graduate students conversant with introductory aspects of Functional Analysis, Measure Theory and Integration, and Statistics.

Workshop: The workshop will comprise of both plenary and regular talks on Functional Analysis and its Applications, with a focus on the theoretical aspects of Stochastic Processes on the first day. One of the objectives of the workshop is to encourage research discussions between participants, and as a result early mornings and early afternoons will be free. Although we will do our best, we may therefore not be able to accommodate all requests to present papers.

The provisional list of plenary speakers for the workshop:

- Rajarama Bhat (Indian Statistical Institute, India)
- Maria Carmela De Bonis (University of Basilicata, Italy)
- Guillermo Curbera (University of Seville, Spain)
- Koos Grobler (North West University)
- Marcel de Jeu (Leiden University, The Netherlands)
- Kerstin Jordaan (University of Pretoria)
- Rien Kaashoek (VU University Amsterdam, The Netherlands)
- Manfred Möller (University of the Witwatersrand)
- Jan Swanepoel (North West University)
- Johan Swart (University of Pretoria)

The planned activities may be schematically represented as follows:

September 18-22: NWU-PUK Spring School	September 23: NWU-PUK Workshop, Part 1	September 24-26: NWU-PUK Workshop, Part 2
Applications of Order Theoretic and Noncommutative Paradigms to Stochastic Processes	Focus day on the Theoretical Aspects of Stochastic Processes	Workshop on Functional Analysis and its Applications

Registration: Participants may separately register for each of the three parts on the workshop website:

<http://www.nwu.ac.za/content/math-workshop-2015/home>

Further information on the Workshop and Spring School the can be found there as well. There is no registration fee for the workshop, although a fee will be levied for accompanying persons wishing to participate in social events. An excursion will be organized on September 20 and a workshop dinner on September 25.

Deadline for registration: August 1

Deadline for abstract submission: August 15

We look forward to seeing you in Potchefstroom in September 2015.

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