



Sommersemester 2024

Dresdner Mathematisches Seminar

Prof. Dr. Andreas Kyprianou

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Mathematics of radiation transport modelling ... through the eyes of a probabilist

Using mathematics to model radiation transport is a forgotten art. For example, it offers some deep connections between the Boltzmann transport equation and various stochastic processes as well as non-standard stochastic differential equations. It also serves as the original motivation for the invention of Monte Carlo simulation. We discuss some recent examples of such modelling from the healthcare and energy sectors which stimulate the use of some highly non-trivial modern probabilistic theories, which themselves have been in the making over the last few decades.

Mittwoch, 17.07.2024, 17:00 Uhr – Willers-Bau, Raum C 129

Leitung: Prof. Dr. Anita Behme

Vor dem Vortrag findet **ab 16:30 Uhr** ein gemeinsames **Kaffee-/Teetrinken** vor Hörsaal **WIL C 307 (!)** statt.

Bereich Mathematik und Naturwissenschaften

Fakultät Mathematik