

NITheCS COLLOQUIUM:

Why Bother?

Prof Peter Leach (University of KwaZulu-Natal and
Durban University of Technology)

DATE: Monday, 6 May 2024 | 16h00 – 17h00 SAST

VENUES:

- Neelsie Cinema, Stellenbosch University
- Online

ABSTRACT

Why do we concern ourselves with finding first integrals/conserved quantities for the mathematical models of various problems which arise in almost all quantified environments? The reason is twofold and shall be revealed. We concern ourselves with the standard methods of Applied Mathematics / Theoretical Physics which should be in the armoury of any practising scholar of the quantifiable subjects.

BIOGRAPHY

Prof Peter Leach earned his PhD from La Trobe University, Australia, and his DSc from the University of Natal. He has held academic positions at several institutions, including the University of the Witwatersrand, University of KwaZulu-Natal, and Durban University of Technology.

Currently, Prof Leach serves as Professor Emeritus at the School of Mathematical and Statistical Sciences at the University of KwaZulu-Natal and as an Honorary Research Professor at the Durban University of Technology.

Prof Leach has supervised over 35 PhD students. With a track record of publishing more than 350 papers, he is recognised as one of the world's most highly cited researchers in Applied Mathematics. For many years, he has consistently been ranked on Stanford University's list of the top 2% of scientists worldwide.



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