NITheP cordially invites you to a seminar by:

Professor Peter Leach  
*University of KwaZulu-Natal, School of Mathematics, Statistics and Computer Science*

Date: Friday, 19\textsuperscript{th} April 2013  
Time: 11h15 - 12h15  
Venue: NITheP Seminar Room, H-Block, 3\textsuperscript{rd} Floor

**Title: The Mechanics of Finance**

**Abstract:**

In the many worlds inhabited by deferential equations disparate methods of solution have been developed. For those equations which are amenable to solution in closed form or formally closed form Sophus Lie provided an elegantly algorithmic method to determine those solutions. These methods have been largely applied in Mathematics and Physics, but in recent years their application has been extended to wherever deferential equations lurk - Ecology, Epidemiology, Medicine and even the Dismal Science. We consider a particular aspect of this universality in the relationship between the well-known and understood Classical Mechanics of the Scientific Revolution and the somewhat mysterious happenings in the World of Finance.

*Tea/coffee & biscuits will be served at 11h00*