

Conférence inaugurale I Antrittsvorlesung I Public opening lecture

new@uni.lu

18:00 - 18:45 hrs



Professor Anton Thalmaier

Brownian motion: from pollen grains in water to global geometry

How does the discovery of botanist Anton Thalmaier graduated from the Erlangen-Nuremberg, Bonn, Evry of the work of Brown, relate to the sor qualifications by the *Conseil* Differential Geometry, Stochastic modeling of price movements and *National des Universités* in France in Riemannian Geometry and Matheevaluation of contingent claims in 2001. Anton Thalmaier has done matical Finance. Anton Thalmaier is

How does the discovery of botanist Anton Thalmaler graduated from the Enangen-Nuterberg, Bornt, Evry Robert Brown in 1828 that dust University of Regensburg with a PhD and Poitiers, and since 2006, as grains suspended in water perform a in Mathematics in 1989. He habili-Professor in Stochastics at the rapid and highly irregular motion, tated and was given the *Venia leg*-University of Luxembourg. His and Albert Einstein's prediction of *endi* in Mathematics from the Univer-research focuses on Stochastic the phenomenon in 1905, unaware sity of Bonn in 1999, and full profes-Analysis on manifolds, Stochastic

18:45 - 19:30 hrs



Professor Martin Olbrich

Fourier series and their generalisations: a glimpse of harmonic analysis

The theory of Fourier series has Martin Olbrich graduated from the Harmonic Analysis at the University found numerous applications in Humboldt University Berlin with a of Luxembourg. technology and physics. Named after diploma in mathematics in 1989. In Joseph Fourier (†1830), the proto- 1995, his doctoral thesis is awarded The main mathematical interest of type of harmonic analysis was re- summa cum laude. Martin Olbrich Martin Olbrich lies in the fields of vealed about 200 years ago through habilitated from the University Göttin- representation theory of real reducinvestigations of vibrating strings and gen in 2002. His academic employ- tive Lie groups, harmonic analysis on the discovery that arbitrary periodic ment includes research and teaching globally and locally symmetric functions on the real axis should be positions at the universities spaces, global analysis, and differenfunctions on the real axis should be positions at the universities spaces, global analys representable as infinite sums Humboldt Berlin, Clausthal and tial geometry. He is the (Fourier series) of elementary oscil-Göttingen, and since 2006, as book and 22 articles. lations i.e. sine and cosine functions. Professor in Non-commutative

tial geometry. He is the author of one

On Tuesday 13 March 2007 at 6PM

Welcome by Massimo Malvetti, dean of the Faculty of Sciences, Technology and Communication

Introduction by Martin Schlichenmaier, head of the Mathematics Research Unit

A cocktail will be served after the conference

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