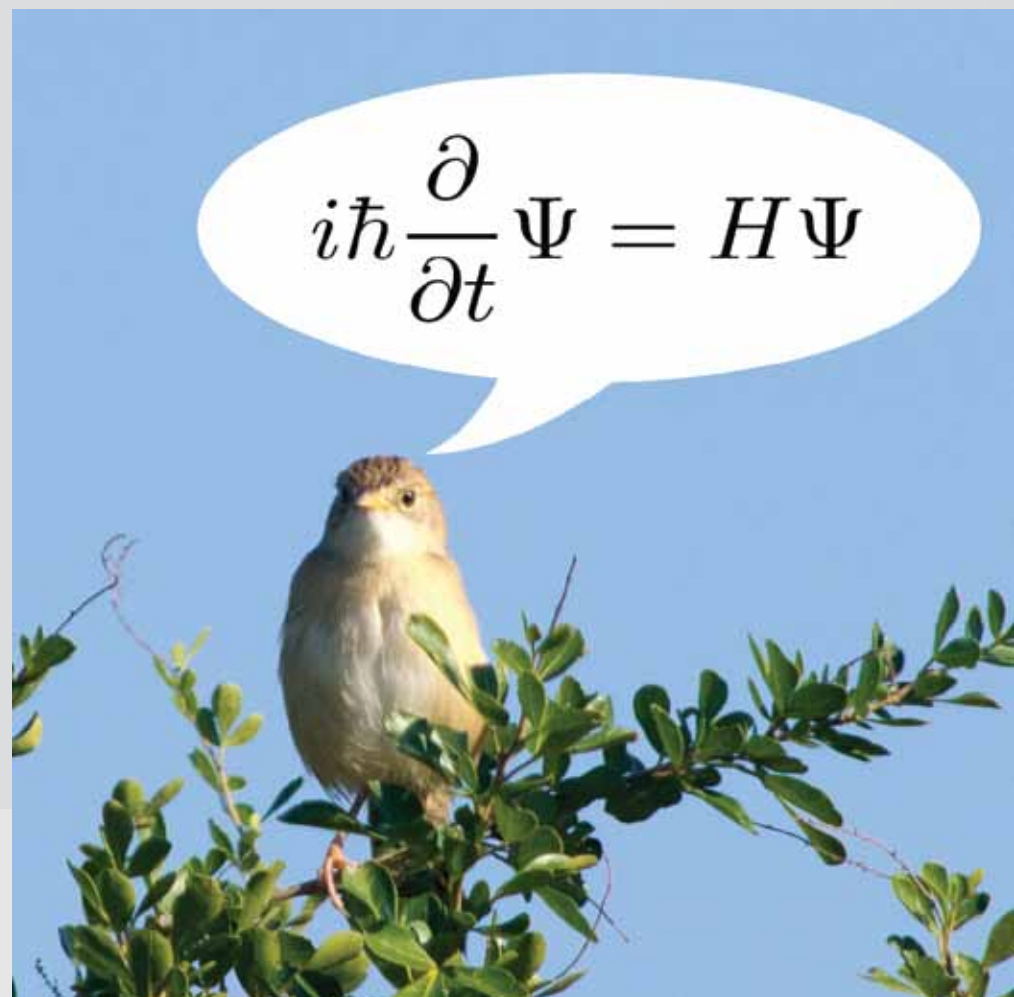


QUANTUM BIOLOGY



**Salt Rock Hotel,
Durban, South Africa
18 to 28 January 2012**

SPEAKERS

Andreas Buchleitner (Germany)

Irene Burghardt (Germany & France)

Artur Ekert (UK & Singapore)

Rienk van Grondelle (The Netherlands)

Thorsten Ritz (USA)

Raymond Sparrow (South Africa)

K. Birgitta Whaley (USA)

TOPICS

Transport in complex quantum systems

Quantum dynamics in complex environments –
towards biological and nanostructured systems

Introduction to coherent quantum transport
and decoherence

The design of photosynthesis

Magnetic orientation in animals

Bio-engineering

Application of Quantum information &
Quantum Control to Energy transfer in Biology

Organisers:

Adriana Marais (UKZN)

Francesco Petruccione (Chairman, Summer School 2012 Durban, NITheP, UKZN)

Frederik Scholtz (NITheP, Stellenbosch)

Ilya Sinayskiy (NITheP, UKZN)

For attendance information, please contact

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The Chris Engelbrecht Summer School 2012 is sponsored by the National Institute for Theoretical Physics (NITheP) <http://www.nithep.ac.za/>

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