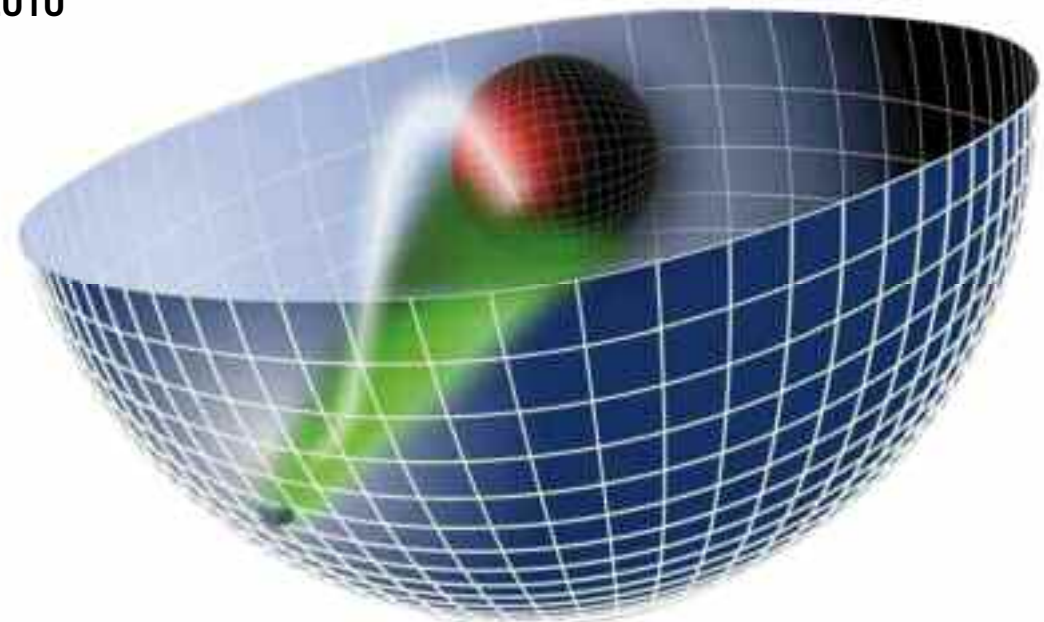
Strings, Branes and Duality

Department of Physics, Queen Mary, University of London

Saturday 22 May 2010



Join string theorists, Dr Sanjaye Ramgoolam and Dr Rodolfo Russo, for a relaxed programme of lectures, conversation and lunch.

Queen Mary
University of London

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Queen Mary's Department of Physics is one of the leading international centres of research in string theory. Join Drs Sanjaye Ramgoolam and Rodolfo Russo for a relaxed programme of lectures, conversation and lunch.

Quantum Fields pervade all of space. Einstein teaches us how gravity is nothing but geometry of four-dimensional space-time. String theory unifies the Quantum and the gravitational in 10 dimensions.

Beyond the headlines, why do string theorists believe they are on the right track? How much string theory can you master in a few hours? How much of it can you explain to a 10 year old? What is a brane-world? And what does string duality, discovered at the turn of the millennium, have to do with Plato's cave?

Dr Sanjaye Ramgoolam and Dr Rodolfo Russo are active researchers in string theory, particularly in the areas of gauge-string duality, fuzzy geometry and the fundamentals of string-theory/particle-physics connections. Prior to joining Queen Mary, Dr Ramgoolam and Dr Russo held post-doctoral research positions at Princeton University, USA, and CERN, the European Organisation for Nuclear Research in Geneva, respectively.

Both are members of the Centre for Research in String Theory (CRST) in the Department of Physics. CRST currently has seven faculty members alongside post-doctoral fellows and PhD students. This is a lively interactive research environment of international repute exploring diverse areas of string theory, interfacing with particle physics, cosmology and mathematics.
For more information, visit www.strings.ph.qmul.ac.uk

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All events will take place on Queen Mary's, Mile End campus

Programme

10.15	**Welcome and coffee** Foyer, Francis Bancroft Building
11.00	***From string theory to high energy particle physics*** Dr Rodolfo Russo, Lecturer
12.00	Followed by a Q&A and discussion Clinical Lecture Theatre, Francis Bancroft Building
12.30	**Lunch** Senior Common Room, Queens' Building
14.30	***String dualities and emergent quantum gravity*** Dr Sanjaye Ramgoolam, Reader in Theoretical Physics
15.30	Followed by a Q&A and discussion Clinical Lecture Theatre, Francis Bancroft Building
16.00	**Afternoon tea and campus tours** Foyer, Francis Bancroft Building
17.00	**Close**

Reply

Booking information

Title Forename(s)

Surname Maiden name

Address

Postcode

Tel email

College Subject

Year of graduation

Job title Organisation

Payment options

[ ] Total number for 'Strings, Branes and Duality' at £35 per person (inclusive of all refreshments and lunch)

Name(s) of guest(s)

If your guest is a former member of the College, please give details:

Total amount enclosed £ [ ]

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(Please stipulate full name(s), plus full contact details (if known), on a separate sheet).

Booking deadlines: Friday 14 May 2010

Queen Mary
University of London

Department of Physics Alumni Day
(22.05.10)
Alumni Relations Office
Queen Mary, University of London
Mile End Road
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