

Positions of Responsibility

Treasurer, 16 Ashburton Road Residents Association, from February 2005

Responsible for obtaining payments from residents of the building, and keeping accounts of maintenance costs, as well as arranging day to day maintenance and obtaining quotations.

Volunteer Scientist for the Institute of Physics' Lab in a Lorry scheme

This position has involved explaining and performing experiments with groups of up to six school children visiting the lorry. The aim of the exercise was to evangelise for science by giving the children a hands-on experience of experimental physics and scientific thinking, and a great day out. Several days volunteer work, over 2005.

Treasurer, Oxford University Gilbert & Sullivan Society, 2001

Kept the accounts for the society, and oversaw expenditure and income, both for the day to day running of the society and for the theatrical productions the society stages every term.

College Rep and Bookstall Manager, Maths Undergraduate Representative Committee, 2000

Involved in representing the views and problems of maths undergraduates in St John's College to the senior administration of the Maths Department, and organising social events for mathematicians within college. Managed the second-hand bookstall, keeping accounts, taking responsibility for choosing stock and pricing, and co-ordinating the volunteer staff.

Captain, St John's Ballroom Dancing Team, 2000

Finding a team of 4 couples from St John's took great persuasive powers, and I was then responsible for co-ordinating meetings and practices, and obtaining funding from college. The team achieved second place in the inter-college competition, summer 2000.

Publications and Public Speaking

Publications:

- Emily Leeper, Roy Maartens and Carlos Sopuerta, “*Dynamics of radiating braneworlds*”, Classical and Quantum Gravity 21 1125-1134, (2004), [arXiv:gr-qc/0309080].
- Laszlo Gergely, Emily Leeper and Roy Maartens, “*Asymmetric radiating brane-world*”, Physical Review D70 104025, (2004), [arXiv: gr-qc/0408084].
- Kazuya Koyama, Emily Leeper and Roy Maartens, “*Regular collision of dilatonic inflating branes*”, Phys.Rev. D73 043506, (2006), [arXiv: hep-th/0508145].

Presentations and Seminars

- Conference talk UK Cosmology meeting, Imperial College, London, Feb. 2004
- Conference talk International String Cosmology Workshop, Paris, June 2004
- Conference talk DESY theory workshop, Hamburg, Sept. 2004
- Conference talk UK Cosmology meeting, Imperial College, London, April 2005
- Poster presentation “Physics 2005”, Warwick, April 2005
- Invited seminar London Relativity Seminar, Queen Mary University, May 2005
- Conference talk Einstein Centenary Conference, Paris, July 2005

Referees

Prof. Roy Maartens
Institute of Cosmology and Gravitation,
University of Portsmouth, Mercantile House,
PO1 2EG
email: roy.maartens@port.ac.uk

Prof. Paul Tod
St John's College,
Oxford University
OX1 3JP
email: paul.tod@sjc.ox.ac.uk