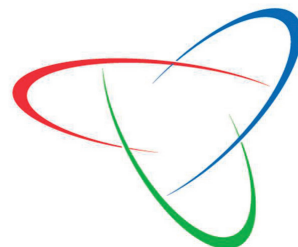


50th Anniversary Symposium on Nuclear Sizes and Shapes



23 – 25 June 2008

University of Surrey, Guildford, UK

www.iop.org/Conferences

Introduction

This 3-day international conference, on the University of Surrey campus, will focus primarily on current research (theory and experiment) into the sizes and shapes of atomic nuclei, with a view towards future opportunities with radioactive beams.

Of special interest will be nuclei approaching the limits of stability, weak binding, and angular momentum effects: halos, skins, pygmy collective modes, shell quenching, continuum coupling, elongated shapes, asymmetric shapes, shape coexistence, and shape effects in superheavy nuclei. An important theme will be the astrophysical implications.

As well as invited talks, around 2/3 of the symposium will be based on contributed talks, and a poster session will also be included.

The symposium will begin at 10 am on 23 June 2008, with the final session, on 25 June focusing on some of the latest results from the RISING (Rare Isotope Investigations at GSI) research programme. The conference will finish with a buffet lunch.

The symposium celebrates 50 years of nuclear physics research at the University of Surrey and its predecessor, the Battersea College of Technology. Battersea/Surrey nuclear physics began with the appointment of Lewis Elton in 1958. One of the first published papers has the title "Interpretation of Scattering Cross Sections in Terms of Nuclear Size" [L.R.B. Elton, Rev. Mod. Phys. 30 (1958) 557].

Venue

Guildford is an attractive historical town set on the banks of the River Wey, amongst the beautiful North Downs (chalk hills). It is within 35 minutes of central London by train (Waterloo station), and has easy access to London airports (Heathrow and Gatwick).

Accommodation will be available on the University of Surrey campus, which is about one mile from Guildford railway station and town centre (with regular bus connections).

Abstract Submission

Contributions for Oral and Poster presentations are welcome. Authors wishing to submit an abstract should do so via the conference website indicating their preferred presentation method; the committee will note any preference but cannot guarantee your preferred presentation option.

Abstracts should be a maximum of 250 words in length and submitted in accordance with the guidelines provided on-line. Up to one figure and three references are permitted.

The abstract deadline is 4 April 2008.

Authors will receive an abstract reference number which confirms successful submission and must be quoted when making any subsequent enquiries. For any author who is unable to submit their abstract on-line please send a copy to jon.mackew@iop.org.

Key dates

Abstract submission deadline:	4 April 2008
Notification of abstract selection:	25 April 2008
Early registration deadline:	26 May 2008
Final registration deadline:	12 June 2008

Surrey organising committee

Phil Walker (Chair) p.walker@surrey.ac.uk
Makito Oi
Zsolt Podolyák
Paul Stevenson

Enquiries

For further information, please refer to the conference website via www.iop.org/Conferences or contact:

Jon Mackew
The Institute of Physics
76 Portland Place
London
W1B 1NT
UK
Tel: +44 (0)20 7470 4800
Fax: +44 (0)20 7470 4900
E-mail: jon.mackew@iop.org