

Carnegie 2008 Conference

NUCLEAR STRUCTURE AT THE EXTREMES



University of the West of Scotland (Paisley Campus)

Thursday 8th May - Saturday 10th May 2008

*This is the second announcement of an international conference which will be held at the **University of the West of Scotland (Paisley Campus)** from the 8th to 10th May 2008. The conference is being held to coincide with the tenure of the Carnegie Centenary Professorship by Professor Witek Nazarewicz at the University of the West of Scotland.*

Programme

Entitled "Nuclear Structure at the Extremes" the conference will focus on new developments in both experimental and theoretical nuclear-structure physics and the nuclear many-body problem, covering a broad range of topics. Some of the topics that will be covered are listed below.

- Physics of radioactive ion beams
- Nuclear spectroscopy
- The nuclear many-body problem
- Connecting nuclei with the universe
- Nuclei as mesoscopic open quantum systems
- Connecting hadrons with nuclei

The conference will be truly international in scope with many of the invited speakers from the major nuclear-physics laboratories across the world.

Conference website

The website for the conference is available at <http://www.uws.ac.uk/nuclearstructure>. There you will find all the latest information including registration details and instructions for abstract submission. The conference email address is Nuclear.Structure@uws.ac.uk.

Registration

A registration form is attached to this announcement and is available on the conference website. The deadline for registration is **Saturday 19th April 2008**. The registration fee is £250 for standard delegates and £150 for postgraduate-student delegates. For delegates who cannot attend the whole conference, the daily registration fee is £100. For questions or enquiries about registration after this deadline, please contact the organizers.

Invited speakers

- Akito Arima (Tokyo)
- Juha Äystö (Jyväskylä)
- Cyrus Baktash (ORNL)
- Jim Beene (ORNL)
- Peter Butler (Liverpool)
- Larry Cardman (Jefferson Lab)
- Bob Chapman (UWS)
- David Dean (ORNL)
- Jacek Dobaczewski (Warsaw/Jyväskylä)
- Jerzy Dudek (Strasbourg)
- Thomas Duguet (Saclay)
- Piet Van Duppen (Leuven)
- Paul Fallon (Berkeley)
- Martin Freer (Birmingham)
- Sean Freeman (Manchester)
- Bill Gelletly (Surrey)
- Morten Hjorth-Jensen (Oslo)
- Jan Jolie (Cologne)
- Silvia Lenzi (Legnaro)
- Kim Lister (Argonne)
- Craig McNeile (Glasgow)
- Nigel Orr (LPC Caen)
- Takaharu Otsuka (Tokyo)
- Thomas Papenbrock (Tennessee)
- Marek Pfutzner (Warsaw)
- Marek Płoszajczak (GANIL)
- Achim Richter (Darmstadt)
- Guenther Rosner (Glasgow)
- Dirk Rudolph (Lund/GSI)
- Hendrik Schatz (MSU)
- Nicolas Schunck (Tennessee)
- Achim Schwenk* (TRIUMF)
- Dan Watts (Edinburgh)

* To be confirmed

The conference will include several public lectures, open to non-delegates. The exact schedule of presentations and events at the conference is presently being finalized and will shortly be available on the conference website.

Contributed presentations

There will be opportunities for all delegates to present their work via both oral and poster contributions. The organizers wish, in particular, to encourage contributions by **postgraduate research students** and **young postdoctoral researchers**. The format of the contributed presentations will be short (~5 minute) oral presentations in the main session of the conference which will serve as “advertisements” for the poster session. Most contributions will therefore consist of **both** a poster **and** a short oral contribution. Selection of oral presentations will be made by the organizing committee but, schedule permitting, we will endeavour to accommodate all submitted abstracts in the programme of oral presentations. Details about abstract submission are given at the conference website.

Bursaries for postgraduate research students

We are particularly keen to attract young physicists including postgraduate research students, who will be able to engage with very distinguished nuclear physicists working at the frontiers of the field. A number of **bursaries** are therefore available to postgraduate research students. If you wish to apply for a postgraduate student bursary please tick the box on the registration form.

Accommodation

Rooms have been reserved at the **Purple Hotel** on the outskirts of Paisley for the duration of the conference. The modern purpose-built business hotel is situated about five miles from Paisley town centre, about four miles from Glasgow International Airport, and about five miles from Glasgow city centre. The hotel is 10 minutes by taxi (£5-£8) from both Paisley town centre and from Glasgow city centre. A discounted conference room rate of £64 per person per night including breakfast has been agreed with the Purple Hotel. To book accommodation there, please contact the hotel directly using the contact details below. Please quote "UNIVERSITY" when booking to ensure you are given the agreed rate.

The address of the Purple Hotel is Purple Hotel – Glasgow, 2 Row Avenue, Renfrew, Glasgow, G51 4SY. Telephone: (44) (0) 141 885 8810. The conference contact at the Purple Hotel is Wilma Shearer who can be contacted by email at WShearer@realhotelcompany.com.

The hotel website is at <http://www.purplehotels.co.uk/glasgow>

The conference **registration desk** will be open at the Purple Hotel on Wednesday 7th May 2008 from mid afternoon onwards. Subsequently, the registration desk will be open at the conference site for the duration of the conference. For the duration of the conference, a **bus service** will be provided between the Purple Hotel and the Paisley Campus

About Paisley

Paisley (population 72,000) is a large town in Renfrewshire in the south west of Scotland. It is situated approximately 10 miles south-west of Glasgow. Glasgow International Airport is situated on the outskirts of Paisley. The UWS Paisley Campus is located on High Street in Paisley town centre.

Paisley is only ten minutes by train from Glasgow city centre and benefits from a very regular train service. If your stay extends beyond the end of the conference, then Glasgow is well worth a visit. Glasgow is a lively modern city with many tourist attractions such as the Glasgow Science Centre (<http://www.glasgowsciencecentre.org>) and the Kelvingrove Gallery and Museum (<http://www.glasgowmuseums.com/>). In the city centre, there is a wealth of excellent shops, restaurants, and pubs.

Travelling to Paisley

By air - Glasgow International Airport (GLA) is located on the outskirts of Paisley. Glasgow International airport is served by flights from across the UK and Europe, USA, Canada, the Caribbean and Pakistan, including several budget airlines. Glasgow Prestwick airport (PIK) lies close to Ayr on the Firth of Clyde and has low-cost flights from many British and European locations. Prestwick has a direct rail connection and good road links to Paisley and Glasgow. Edinburgh International Airport (EDI) is served by direct flights from throughout Europe, the USA and Canada and is linked to Paisley by the M8 motorway and by rail from Edinburgh Haymarket train station (bus service from the airport) via Glasgow Queen Street - change stations to Glasgow Central to reach Paisley

By train - Paisley Gilmour Street train station has several services per hour from Glasgow Central Station. The train journey from Glasgow to Paisley takes approximately 10 minutes and costs around £3. Long-distance services connect Glasgow to all major British cities, either into Glasgow Central or Glasgow Queen Street stations. Travellers from Europe can connect to the Eurostar service through the Channel Tunnel to the terminal at London Waterloo International. There is a fast rail service from London to Edinburgh Waverley station, from which services to Glasgow Queen Street leave every 15 minutes

By car - Paisley lies approximately 10 miles south-west of Glasgow and is best reached using the M8 motorway. The M8 is a direct main road link to Edinburgh and connects to the M74 for travellers from England. From the west (e.g. Prestwick airport) take the A78 trunk road northwards past Irvine to Kilwinning, then join the A737 to join the M8 at Junction 29.

Local travel to the UWS Paisley Campus and to the Purple Hotel

For the duration of the conference, a **bus service** will be provided between the Purple Hotel and the Paisley Campus.

The Purple Hotel is approximately 10 minutes by taxi from the UWS Paisley campus, from Paisley Gilmour Street train station and from Glasgow International Airport. A taxi journey between these locations will cost around £5-£8. Detailed instructions giving the route to the hotel by car may be found at the hotel website. Campus maps and a map of Paisley town are available on the conference website.

Social events

- ***Whisky tasting***
A whisky tasting event will take place in the Paisley Museum in the evening of Thursday 8th May. Details about the Paisley Museum can be found on the internet at <http://www.paisley.org.uk/attractions/museum.php>.
- ***James Clerk Maxwell Statue***
During the conference, there will be opportunities to visit the workshop of Alexander Stoddart – one of Scotland's best-known sculptors – who is resident at UWS. Of particular interest is the current development of a statue of James Clerk Maxwell. The statue has been commissioned by the Royal Society of Edinburgh and will be sited in George Street in Edinburgh upon completion. More details of the work can be found on the internet at <http://www.alexanderstoddart.com/>
- ***Conference Dinner***
The conference dinner and a drinks reception will be held on Friday 9th May at the magnificent Mar Hall <http://www.marhall.com/index.html>.

Mar Hall is located on the 240 acre Earl of Mar Estate on the River Clyde with the gently rolling Kilpatrick Hills on the far bank. In ancient Scotland, Mar was one of the seven Pictish kingdoms and the Earl of Mar is the oldest title in Britain while the Mar Estate has a long and fascinating history. As far back as the 14th century there was a grand aristocratic castle built on the land - reference is made in the record books of Mary Queen of Scots and Robert the Bruce having visited. Then, in 1828, a lavish Gothic mansion house, in the style of Manorial or Domestic Gothic seen in the time of Queen Elizabeth I, was commissioned by the Earl of Mar at a cost of around £50,000. The architect was the renowned Sir Robert Smirke who had also designed the British Museum in London. A quarry on the estate provided the beautiful stone used in the erection of the House. The oak, however, came from Quebec and was used throughout the house.

Weather in the south-west of Scotland

The average maximum daytime temperature in early May is 15 C (59 F). May is usually one of the driest months in the south-west of Scotland, but there is always the possibility of rain. Although the longest day is still some way off, the sun rises in early May at around 05:15 AM and sets at 9:15 PM, giving about 16 hours of daylight.

Further information

If you do have any questions about the conference, please do not hesitate to contact us by email to Nuclear.Structure@uws.ac.uk.

Finally

Finally, we look forward to welcoming you to the University of the West of Scotland in May. We hope that you will join us.

From the local organizing committee

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