

Daily News

Sunday, 21 August, 2011

Minister to open ISI Dublin 2011



Joan Burton TD, the Minister for Social Protection and Deputy Leader of the Labour Party in Ireland, opens the ISI Dublin 2011 World Statistics Congress today at the Convention Centre Dublin.

Ms Burton has a pedigree with numbers as she was one of the first woman in Ireland to qualify as a Chartered Accountant by profession and the first woman to become Finance spokesperson to a major Irish political party. Her husband is also a Senior Lecturer in Mathematics at Dublin Institute of Technology (DIT).

The Minister will warmly welcome the almost 2,300 delegates, from all over the world, to the Convention Centre Dublin. She will say that the biennial meeting of the ISI is unique in bringing together statisticians from across the disciplinary spectrum.

Minister Burton is expected to highlight the importance of having an independent statistical office, even more especially in the current environment, where statistical data are scrutinised very closely by the markets. In this regard, she will thank the Central Statistics Office (CSO) for its high levels of independence and professionalism which are of great importance to the reputation of Ireland on the international stage.

Céad Míle Fáilte - 100,000 welcomes!



Dear Colleagues
It is my great pleasure, as Chairman of the National Organising Committee, to welcome you to Dublin for the 58th World Statistics Congress of the ISI! The ISI biennial congress is the flagship event on the world statistical calendar and we are particularly pleased that some 2,300 delegates from over 120 countries will participate in Dublin 2011 over the coming week.

As usual, great care and effort has been put into the organisation of the Scientific Programme and we

have complemented this with a lively social programme which we are confident will enable you to enjoy to the fullest extent the Irish hospitality and culture for which Dublin is well renowned. We are particularly pleased that the Congress is one of the first major events to be held in the new Convention Centre Dublin (CCD). The Centre was opened less than a year ago and has been designed to the highest technical and environmental standards - we hope that you enjoy the relaxing views it affords of Dublin Port, the southside of the city and, in the distance, the Dublin and Wicklow Mountains!

August is a very good time to visit Dublin as it coincides with the main summer holiday period and hence the city centre tends to be less congested during working hours.

Nighttime and the weekends, however, continue to be lively particularly the latter when there is a "big match" in the nearby Croke Park stadium, which is home to the national games of hurling and Gaelic football.

The Irish have a fascination with the weather for the simple reason that it can be so changeable from day to day or indeed during the course of a day. At this time of year we look forward to pleasant sunny weather but unfortunately rain tends to intervene as often as not - so be prepared!

I wish you a pleasant stay and look forward to a memorable event!

Gerard O'Hanlon
Director General,
Central Statistics Office, Ireland
Chairman ISI 2011
National Organising Committee

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Photo: Phillip Ryan

ISI President delighted to be in Dublin



Jef Teugels - ISI President

It is a tremendous pleasure for the Executive Committee, the Council and the Staff of ISI to welcome all of the participants to Dublin for the 58th Session of the ISI (recently renamed as

World Statistics Congress). The entire international statistical community is very grateful to the Irish Government, represented by the Central Statistics Office Ireland, to host the Congress. It is the first time in the 126-year history of the ISI that the Congress is being held here. Our gratitude is even greater since we are all aware of the economic challenges being faced by Ireland.

The Executive Committee and the staff have followed the preparations for this major event for several years. We have been

consistently impressed by the professionalism and the engaging enthusiasm of the Local Organising Committee. We are most grateful to Gerry O'Hanlon, Chair of the Local Organising Committee, to his two right hands Paul Crowley and Mary Murphy, and all the other members the Committee.

We are equally thankful to Murray Cameron, Chair of the Programme Coordinating Committee, and to all the other members of the Committee for developing a very rich and diverse scientific

programme.

Last but not least, we thank John Haslett, Chair of the Local Organising Programme Committee, and the members of this large and active Committee for their intensive efforts to produce the best possible programme.

There is no doubt that we will enjoy a World Statistics Congress that will set standards on the scientific, administrative, and cultural fronts. The vibrancy of the city will add an extra touch to our experiences.

Editorial

Welcome to the first issue of the Daily News!

This is a very exciting time for everyone involved in the ISI Dublin 2011 event. Many weeks, months and even years of preparation have been invested by the organisers in order to make this week in Dublin a memorable one.

During the next week, the editorial team for the Daily News will be located at the Convention Centre Dublin and we will be speaking with as many delegates attending the Congress as possible. We want to get lots of feedback from the attendees in order to reflect those views back into these pages. Contact us by email isi2011_news@cs0.ie or via Twitter @ISIDublin2011.

In a first for the ISI, the Daily News will have a live Twitter feed direct from the media centre reporting on the latest happenings at the WSC on minute-by-minute basis. So in order to stay right up to date, follow us on Twitter at the following link www.twitter.com/ISIDublin2011. It only takes seconds to setup an account.

Finally, we feel that David Cox (on page 3) describes it best when he says that ISI Dublin 2011 is a celebration of statistics. It is the coming together of people from rich and diverse backgrounds to debate and discuss the applications and ideas of current statistical thinking.

We look forward to meeting everyone and we hope you have a fantastic time in Dublin!

The Editor

Editorial Team:

Barra Casey, *Editor*

Liliana Happle (Pinkasovych), *Associate Editor*

Sharon Coleman, *Typesetting and Graphic Design*

David Lester, *Higher Technical Officer*

Contact us by email: isi2011_news@cs0.ie

Daily Announcements

1. If you are presenting a paper at the Congress then you must attend the Speaker Ready Room to upload your presentation. Please note it will not be possible to load your presentation in any of the scientific rooms. The further you do this in advance the better. In most cases it would be advisable to load your presentation at least the day before. Please note that in order to assist those who will be presenting on Monday, the speaker ready room will be open today from 10am until 4pm.
2. The Traditional Irish Night will take place in Trinity College Dublin on Tuesday evening. There are still tickets available for this event which can be purchased in the lobby of the CCD. The price of a single ticket is €50.
3. The Opening Ceremony is due to start in the Main Auditorium of the Convention Centre Dublin (CCD) at 4.30pm. This will be followed by canapés in the lobby of the CCD.

Investing in the future – young people and statistics

Eoin McCuirc from CSO Ireland will be operating a stand in the Exhibition Hall over the coming days to promote work in relation to "Investing in the Future – Young People and Statistics".



In particular, he will be providing information on three projects being run in the CSO. These are CensusAtSchool Project, the John Hooper Medal for Statistics and Census 2011 Schools Resources.

Get down to the Exhibition Hall tomorrow to speak to Eoin about these exciting projects!

Sir David Cox looks forward to 58th Congress

The irrepressible Sir David Cox will be giving a talk tomorrow at the 58th ISI World Statistics Congress. He is a former President of the Bernoulli Society, the Royal Statistical Society and of the International Statistical Institute and currently, an Honorary Fellow of Nuffield College in Oxford. In today's *Daily News*, he has very kindly agreed to share some of his thoughts on the 58th Congress.



Special contribution - Sir David Cox

ISI Sessions are very special occasions. Of those I have attended recently, I recall Istanbul, Helsinki, Berlin and Lisbon, each with its distinctive flavour. As I write some while before the Opening, I am very confident that Dublin too, with its rich history, will provide an outstanding and memorable occasion. One thing is common to all these events. A large number of people

give much of their time over a substantial period to make smooth success possible. Not only those listed as members of important committees, but many others will have contributed and we should be very grateful to every one of them.

The scientific flavour of these meetings is, of course, quite different from that of a focused workshop of 20-30 experts concentrated on pushing forwards knowledge and expertise in a very specific field. Rather we come to Dublin in a sense to celebrate the enormous diversity of the applications of statistical thinking and of the ideas that are involved. It is the richness and variety of these applications that gives our subject its special importance and suitability as a career base. We have to recognize that richness and at the same time find some unifying themes that will prevent splitting of the subject into esoteric fragments.

Inevitably there will be a large number of parallel sessions. Because presumably

a primary objective of the Session must be to foster contacts and cross-subject collaboration, rather than specialized research development as such, it seems wise that one should attend meetings at or just outside the edge of one's own interests, that is avoid meetings on one's own special field. I confess that my own record in the past of following this excellent precept ranges from the very poor to total failure. Maybe this time...

One special feature of the programme in Dublin is the Water Day, dealing with topics of great importance and great intellectual and scientific variety and challenge. Another is the satellite meeting for Young Statisticians, a very important development that I hope will flourish.

In all, I keenly anticipate a fine and diverse occasion.

Sir David Cox
Nuffield College
Oxford UK

Get to know your scientific programme organisers

Two of the busiest individuals over the last number of weeks have been Professor John Haslett who chairs the ISI 2011 Local Scientific Programme Committee and Dr. Murray Cameron who chairs the ISI 2011 Programme Coordinating Committee. These two individuals more than anyone else have helped shape the scientific programme for ISI Dublin 2011.



Dr. Murray Cameron was formerly Divisional Chief of Mathematics, Informatics & Statistics at Australia's Commonwealth Scientific and Industrial Research Organisation (CSIRO). Dr. Cameron led over 100 researchers in mathematics and statistics working with scientists in CSIRO and industry. Their focus was to ensure "smarter information use" in biotechnology, health, the environment, manufacturing, mineral processing and services.

Professor John Haslett has been at Trinity College Dublin since 1973 with sabbaticals in Australia with CSIRO's Division of Mathematics and Statistics (1979-80 and 1989) and at the University of Washington in Seattle in 1987. He is a Fellow of Trinity College Dublin and of the Royal Statistical Society. His research involved a journey through diverse topics such wind-power, satellite imagery, mineral exploration and spatial stochastic processes.



Murray and John inform us of both the satisfactions and of course difficulties in organizing a programme of this size...

Murray says "The Programme comes together because of the energy and enthusiasm of many people – the speakers, the organisers of a single session and the members of the PCC who have responsibility for 10 or more sessions. It is particularly pleasing when we identify a good session topic which straddles different parts of statistics and has happened because of the interactions among committee members and section members."

John tells the *Daily News* "Well, it's been interesting! My programme building roles have been three-fold: Working with Murray and others in designing the Invited Paper Sessions; Working with about 70 organisers in building the Special Topic Sessions; and selecting and assembling about 700 contributed papers into 100 or so coherent groups. But then comes the bit where 250 sessions have to be timetabled into as many as 22 parallel sessions. With Organisers, Chairs, Discussants we have more than 1,800 unique individuals and more than 1,300 papers and plenty of room for timetable clashes!"

Murray also tells us that... "the biggest challenge is keeping track of the information on hundreds of papers and speakers with that information arriving in all sorts of formats and email links!"

Start early, plan early



Paul J. Crowley is Head of Price Statistics and International Relations at the CSO (Ireland's Statistical Office). As a result of the international relations aspect of his job, he also has responsibility for the organisation of the ISI World

Statistics Congress (WSC). Paul is the ISI Project Manager and leads the Project Executive. In an exclusive interview with the *Daily News*, he reveals the scale and complexity of organising ISI Dublin 2011.

Paul's first involvement was with the Sydney conference in April 2005 where Ireland had to go and make its formal proposal to the ISI executive to host the event in 2011. Even though Paul has been involved with the Congress for 6 years, it's really only the last three years that the work has become more intensive.

One of the big decisions for the organisers was choosing the venue for the Congress. The reason the Convention Centre Dublin (CCD) was chosen was because there is no other venue of the same

quality in Dublin. The CCD has become an iconic building since it opened in 2010 and the CSO are proud to be able to invite the ISI and its delegates here. The CSO were also the first entity to sign a contract with the new CCD, which happened during December 2008.

So what constitutes a successful Congress? Paul feels that ISI Dublin 2011 will be a success if it gets a significant number of delegates, the overall Congress can be delivered under budget and it runs smoothly during the week concerned. It is important that delegates enjoy the scientific programme but also feel that the Congress was well organised.

Paul also has some advice for Hong Kong and Brazil.

His words of wisdom are "start early, plan early and achieve as much as possible as early as possible." He also feels it is important to ensure that the Project team is kept very small, the smaller the group the better. Paul and his colleague Mary Murphy essentially make all the day to day decisions and they only go to the National Organising Committee (NOC) for approval on key issues.

So will Paul be happy when the Congress is all over? He says he will be happy in one respect, to have been able to direct a conference of this size. A significant effort is required in organising and planning a World Statistics Congress and he may well take a well-earned holiday after the dust has settled.

The Convention Centre Dublin (CCD) – a facility for a modern age

Welcome to The Convention Centre Dublin (CCD), Ireland's first purpose-built convention centre, located in Spencer Dock in the heart of Dublin city.

Designed by Pritzker award-winning Irish-born architect Kevin Roche, The CCD has quickly become a landmark building. Its stunning design includes a unique glass-fronted atrium running the full height of the building, which gives visitors panoramic views of the River Liffey, Dublin city centre and the Wicklow mountains.



The CCD picks up two industry awards in its first year

In March of this year the CCD won silver in the Best Overseas Convention Centre award from Meetings and Incentive Travel Industry Awards 2011. This industry award was based on the votes from Meetings and Incentive Travel (M&IT) magazine readers. Then in June of this year, the CCD won Best Large Event Venue across Ireland in the Event Industry Awards 2011.

The CCD has hosted over 85,000 guests and more than 260 events since its opening in September 2010, which has led to a boost of over €31 million for the local economy.

Carbon Neutral and Sustainable

As the world's first carbon neutral convention centre, the CCD is committed to long-term environmental sustainability in accordance with the International Standards Organisation (ISO) 14001.

This includes recycling, a focus on reducing overall energy consumption by using a sustainable energy supplier and integrating sustainable systems at the venue, such as an Integrated Building Automated System (IBAS). The CCD have also installed a thermal wheel heat recovery system and an Ice Storage Thermal Unit (ISTU), which chills water overnight to form large ice blocks that melt during the day to provide air conditioning for the entire building.

In order to help delegates to keep their journey carbon neutral, the CCD offer national and international visitors the opportunity to offset their carbon emissions from their travel to the CCD using the carbon calculator on the following website - www.theccd.ie/carboncalculator.

Stay connected during your visit to The CCD

The CCD has incorporated a very high level of Information and Communications Technology, all designed to meet the needs of our visitors. The entire venue is Wi-Fi enabled allowing visitors to connect to the Internet and stay in touch with their office or search for useful information during their visit with us. The CCD has the very latest Wi-Fi standards - 802.11n. Please ask in the lobby of the CCD for information on how to connect to the Wi-Fi network.

Kíla to entertain at the Opening Ceremony

The delegates at ISI Dublin 2011 have the enormous pleasure of seeing the international renowned band Kíla perform at the opening ceremony at the Conference Centre Dublin (CCD) today. Kíla have been given the seal of approval by some of Ireland's greatest musical exports with Bono describing them as "extraordinary" and Sinéad O'Connor calling them "brilliant".

Playing together for nearly 20 years, Kíla are one of Ireland's most innovative and exciting bands. The seven members come from different musical backgrounds and share a passion to create great music with an ability to absorb influences from across the globe. With its roots in traditional Irish, it features a strong percussive like singing and gorgeous melodies driven by a serious rhythmical undercurrent. Kíla have created their own distinctive style of world music, which has won over audiences around the world through their eight recordings to date and their spectacular live performances.

Made up of two sets of brothers Kíla consists of Rónán Ó Snodaigh, Rossa



"Kíla are extraordinary" – Bono from U2... "Brilliant" - Sinéad Ó Connor
Ó Snodaigh and Colm Ó Snodaigh (who incidentally cites his favourite number as n). Then there is Lance Hogan and Brian Hogan with the final members of the band being Dee Armstrong and Eoin Dillon. They use a wide range of instruments from accordion and bodhráns to clarinet, saxophone and tin whistle.

Kíla have played in over 20 countries throughout the world, at festivals and venues, most notable festivals in recent years include Womadelaide

Australia, Glastonbury Festival, and the Opening Ceremony of the Special Olympics Ireland 2003.

More information on Kíla is available from their website www.kila.ie. If you feel you want to see some more of them, they are playing this coming Friday and Saturday night (26 and 27 August) in one of Dublin's better known music venues, Whelans. Check their website for ticket availability.

Sports News

There are some important sporting events on the week of the ISI Dublin 2011. These include two semi-finals in the Gaelic Football Championship at Croke Park and two warm-up games for the Rugby World Cup (which begins in New Zealand on 9th September) for the Irish Rugby team at the Aviva Stadium.

Gaelic Football Championship:

Mayo v Kerry

3.30pm, 21st August, Croke Park

Dublin v Donegal

3.30pm, 28th August, Croke Park

For directions and ticket information, see the website www.gaa.ie



Photo: Eoghan McNally/Shutterstock

In Ireland, the two most popular sports are Gaelic "Football" and "Hurling". These sports are native to Ireland and are managed by a body which have played a large part in the country's history, called the Gaelic Athletic Association (GAA). Every town in Ireland has a local GAA club and the rivalry between towns and parishes can be intense. GAA sports are not only played in Ireland but all over the world, thanks mainly to the large Irish population which has taken up

residence in countries from Asia to Australia and North America. Croke Park is the home of the GAA and is one of the largest stadiums in Europe with a capacity of over 90,000 people. When the stadium is full and the crowd are roaring, the atmosphere is fantastic. Croke Park is located just north of Dublin city centre and can easily be reached by foot.

Football and Hurling are tough sports. There are 15 players on each team and

Irish Rugby Team

Warm-up matches for the Rugby World Cup:

Ireland V France

5.00pm, 20th August, Aviva Stadium

Ireland V England

2.30pm, 27th August, Aviva Stadium

For directions and ticket information, see the website www.irfu.ie

the game is played on a large rectangular field. The objective is to get the ball into a goal for three points or to get the ball over the bar of the goal for one point. The difference between Football and Hurling lies in the fact that each player in Hurling has a stick (called a hurley) with a flat head and the ball is much smaller, similar in size to a hockey ball. The tackle is an area of controversy in the game where the rules are hard to define, but it's certainly not something for the faint-hearted.

Census 1911 at Best International Museum



Photo: Phillip Ryan

Glasnevin Museum, which opened in April 2010 is a must see Dublin attraction for anyone interested in Irish Heritage & Genealogy. Glasnevin Museum has been honored as the Best International Museum at the Museum & Heritage Awards for Excellence in London. With exhibitions created by Martello Media, Glasnevin Museum has now won five national and international awards including the Thea Award for outstanding achievement in themed attractions. This award was

received by Glasnevin Trust Chairman John Green & CEO George McCullough in March this year at the glamorous Burbank Studios, Hollywood.

As luck would have it, Glasnevin Museum is showing a very apt exhibition this week for a bunch of statisticians. Through its Census 1911 Exhibition, Glasnevin Museum is offering a unique opportunity to look at Irish life during 1911. Dublin in 1911 was a city of genuine diversity.

Rich and poor, immigrant and native, nationalist and unionist, Catholic, Protestant, and so many more, were all bound together in the daily life of this metropolis. But what happened to those citizens who filled out their census returns on the 2nd of April 1911?

Accessing Glasnevin Cemetery's Burial Records and the National Archives Census Records, Historian and Author in Residence to Glasnevin Trust, Shane MacThomáis, has traced what became of some of Dublin's inhabitants of 100 years ago.

The Census 1911 exhibition will run at Glasnevin Museums Prospect Gallery until the end of August.

Admission to this and all other exhibits at Glasnevin Museum including City of the Dead and O'Connell; The Man who Discovered Ireland is €6, or combine with a Cemetery Tour for €10. Tours

run daily at 11.30am, 1pm & 2.30pm.

Glasnevin Museum celebrates Heritage Week 20 – 28 August with many free options for visitors. The Museum will open until 9pm each evening, free of charge after 5pm and there will be a Cemetery Tour each evening at 5.30pm every day at no charge to the visitor.

The Milestone Gallery at Glasnevin Museum is also hosting two free talks: August 23rd, 7.30pm - Census 1911 with Catriona Crowe of the National Archives August 25th, 7.30pm – Michael Collins; the Man Outside with Tim Pat Coogan

Booking is essential for Heritage Week events.

Contact museum@glasnevintrust.ie, 01 8826550, For more information, take a look at www.glasnevinmuseum.ie or follow us on Facebook/Twitter.



Bulletin Board

International Association of Survey Statisticians (IASS)

Data is vital. We use it to develop and test scientific theories, to efficiently implement and evaluate government programs, to inform society. But data collection can be a very complex and costly, and applying scientific method to how we collect it, integrate it with other data, and analyse it in a way that takes account of how it was collected, can make a big difference to its value.

The International Association of Survey Statisticians (IASS-AISE) was founded in 1973 to promote the study and practice of surveys and censuses, and to increase interest in surveys and censuses around the world. Its members include statisticians from official statistics, from the private sector and from academia.

IASS activities focus on building and sharing knowledge relating to good survey practice, and assisting in the development of survey statisticians. Its twice yearly newsletter, the Survey Statistician, has been recently revamped, with its Ask the Experts column answering questions like: What is the best way to combine the results of two surveys? Articles on new and emerging topics provide an up to date review of areas such as Emerging Methodology of Web Surveys. The newsletter also includes

reports from a network of country representatives across the world.

The IASS sponsors relevant conferences and workshops between World Congresses, short courses before each Congress, and a range of Invited Paper Meetings at the Congresses, with this years topics ranging from monitoring salmon stocks to Bayesian methods for record linkage.

Every two years a prize is awarded to the best paper on survey methods from a young statistician from a developing country. This year's winner is Dr Solange Correa of Brazil.

The General Assembly of the IASS will be held between 13.30 and 15.00 on Monday 22 August at Liffey Hall 2 in the CCD. Come and find out about us, or visit the ISI and Sections stand in the exhibition hall. The easiest way to become a member is here at the ISI World Congress, or visit our website at <http://isi.cbs.nl/iass>

Susan Linacre, President IASS





Bulletin Board

Meet the ISI Permanent Office staff in Dublin



From left to right: Gerrit Stemerding, Liliana Happel (Pinkasovych), Ada van Krimpen, Michael Leeuwe, Shabani Mehta, Margaret de Ruiter-Molloy, Johan Dragt

The ISI Permanent Office is responsible for supporting the ISI membership, the ISI Executive Committee and Council, the ISI Sections and the many ISI Committees and interest groups.

The Dublin World Statistics Congress(WSC) will provide participants with the ideal opportunity to personally meet several staff members from the ISI Permanent Office attending the WSC. Take advantage of this opportunity to discuss ISI/Section matters with us, or to just say hello!

You will have a chance to meet the ISI Director Ada van Krimpen. Although Ada will be involved in many of the WSC's administrative meetings, please take advantage of the Congress to have a chat about any ISI/Section matters of importance to you.

At the ISI booth that is situated in the

Exhibition Hall, ISI volunteers Gerrit Stemerding and Johan Dragt will be pleased to answer your questions about membership, as well as anything you might wish to know about ISI products and services. Mr. Dragt is also the coordinator of the ISI Glossary of Statistical Terms, and welcomes any input that you may have regarding the content of the Glossary.

At the ISI office (Liffey Board Room 1), Margaret de Ruiter-Molloy will be available to answer all your questions on membership and accept membership dues payments. Liliana Happel(Pinkasovych) will be there to help channel any submissions to the *Daily News* and make appointments on your behalf with any member of the ISI Executive Committee and/or Permanent Office staff for the duration of the Congress. For those involved in the International Statistical Review it will

be a good opportunity to meet Liliana in person.

Shabani Mehta will be the first contact point for the various ISI Committees and will be ready to assist you with your questions regarding Committee activities, as well as with any other ISI and Section matters.

Michael Leeuwe will be available to answer your questions on membership and dues payments as well as help with any ISI related inquiries that you might have.

We look forward to meeting the ISI/Section members attending the WSC and changing our previous 'virtual' contacts into more personal acquaintances.

The ISI Permanent Office Team

Funding for delegates from developing countries increases

The ISI aims to ensure participants from developing countries are represented at its World Statistics Congresses (WSC). With ISI Dublin 2011, the ISI secured funding from a few organisations and in some cases the amount of funding allocated also increased compared to previous WSCs.

The various funding opportunities came from the ISI World Bank Trust Fund for Statistical Capacity Building, the ISI United States Department of Agriculture Fund, and the ISI Statistics South Africa Fund. In addition, two funds were

administered by the ISI; namely, Irish Aid for the Young Statisticians Satellite Meeting in Dublin and ISI World Bank Fund for the ISI Satellite Meeting on Improving Statistical Systems Worldwide – Building Capacity in Krakow, Poland.

With these initiatives, approximately 50 people received funding to attend ISI Dublin 2011 and the two Satellite Meetings. The ISI hopes to continue funding opportunities for future WSCs.

Things to do in Dublin tonight



Film

The Guard

Venue: Cineworld (Phone: 1520 880 444), Parnell Street, Dublin 1 (20 mins walk from CCD)

Performance times today: 1.30pm, 3.50pm, 6.10pm and 8.30pm

Venue: The Savoy (Phone: 1520 927 004), O'Connell Street, Dublin 1 (15 mins walk from CCD)

Performance times today: 4.15pm, 6.20pm, 8.40pm



Theatre

Riverdance

Venue: Gaiety Theatre, South King St, Dublin 2

Performance times on 21 August: 2.30pm and 6.30pm, Price: €49.40

Phone: +353 1 677 1717. Website: www.gaietytheatre.ie



Live Music

Performance 1: Jazz Brunch at 3pm,

Performance 2: Harlequin live band at 9pm

Venue: Cafe en Seine, 40 Dawson St, Dublin 2 (20 mins walk from CCD)

Phone: +353 1 677 4567

Complementary entry

For further information on entertainment in Dublin please see www.entertainment.ie

DAILY NUMBERS

108 The number of people (in billions) who have ever lived

6.98 The current world population (in billions)

6.5 Percentage of people who have ever lived who are also alive today

47.5 Net population growth (in millions) so far this year

Source: www.worldometers.info and National Geographic

Today's Weather



Cloudy with some sunshine

Daily Snaps

Some familiar faces that you will see over the coming week



Sudoku

5	3			7				
6			1	9	5			
	9	8					6	
8				6				3
4			8		3			1
7				4				6
	6					2	8	
			4	1	9			5
				8			7	9

Emergency Contact Numbers

Police, Fire, Ambulance: Telephone: 112 or 999

CCD Medical Centre: Telephone: 01-819 4999

CCD Security: Telephone: 01-818 4999

Tourist Victim Support: Telephone: 1890 365 700

The Irish Tourist Assistance Service (ITAS) offers assistance to tourists who become victims of crime.