

POSMOL 2011

XVI International Workshop on Low Energy Positron and Positronium Physics
XVII International Symposium on Electron-Molecule Collisions and Swarms

22-25 July 2011, Maynooth, Ireland

1. WELCOME

On behalf of the Local Organising Committee and the International Advisory Committees for both the Workshop and the Symposium, we extend a sincere and enthusiastic welcome to you to participate in POSMOL 2011.

We are very pleased with the opportunity to organise this satellite at the National University of Ireland Maynooth. NUI Maynooth has a pleasant campus, where lecture theatres, residences, and the dining hall are located close together, and this will provide an excellent environment for delegates to interact. We expect to attract well over 120 academic experts from all over the world.

Peter van der Burgt, Radu Campeanu and Oddur Ingólfsson

2. GENERAL INFORMATION

DEADLINES

Deadline for submission of abstracts: Friday 13 May 2011
Deadline for registration and accommodation: Friday 10 June 2011
Deadline for booking bus transport to Belfast: Friday 10 June 2011
(Please note that these deadlines will not be extended.)

SCOPE AND PROGRAMME

[POSMOL 2011](#) will be held 22 – 25 July 2011 at the [National University of Ireland Maynooth](#), and will include the XVI International Workshop on Low Energy Positron and Positronium Physics and the XVII International Symposium on Electron Molecule Collisions and Swarms. The conference starts on Friday 22 July with registration and an evening reception, and ends on Monday 25 July after lunch.

The conference website is <http://physics.nuim.ie/posmol2011/> and is intended to be the primary source of up-to-date information on all aspects of the conference.

Please download and print the [POSMOL 2011 poster](#) (pdf 3.8 Mb) from the homepage of this website for display at your institution.

The XVI Workshop on Low Energy Positron and Positronium Physics encompasses all aspects of positron, positronium and antihydrogen interactions with atoms and molecules, and topics related to these.

The XVII Symposium on Electron-Molecule Collisions and Swarms encompasses all aspects of electron interactions with molecules in both gaseous and condensed phases. Particular topics will include studies of electron interactions with biomolecules, electron induced surface chemistry and the study of plasma processes. Recent research in the study of swarms will also be highlighted.

The scientific programme will consist of plenary sessions, invited talks and poster contributions. The XVI Workshop and the XVII Symposium will run in parallel with shared plenary sessions, and are satellites of [ICPEAC 2011](#). The registration fee gives access to any session of either satellite.

A Topical Issue of the European Physical Journal D (Atomic, Molecular, Optical and Plasma Physics) will be commissioned on topics related to the Workshop and the Symposium. This Topical Issue will contain full-length peer-reviewed papers of original scientific work.

At registration, all delegates will be provided with a printed copy of the Programme and Abstract Book, which will contain the abstracts of the plenary and invited lectures, and the poster abstracts.

CONFERENCE SITE

The XVI Workshop and the XVII Symposium are hosted by the National University of Ireland Maynooth. NUI Maynooth has approximately 8,400 registered students and 26 academic departments, which are organized into the three faculties: Arts, Celtic Studies and Philosophy, Science and Engineering, and Social Sciences. Following over two centuries of internationally renowned scholarly activity on the Maynooth campus, the National University of Ireland Maynooth was established under the 1997 Universities Act as an autonomous member of the federal structure known as the National University of Ireland.

NUI Maynooth has a pleasant campus, where lecture theatres, residences, and dining hall are located with a few minutes' walking distance from each other. The spacious campus is laid out in rural surroundings, and is divided between an older complex of fine nineteenth century buildings and a modern complex of teaching, research, accommodation, and support facilities. The NUI Maynooth Campus is within a 10 minute walk to the Manor Mills Shopping Centre and the Main Street of Maynooth, and a 15 minute walk to the railway station.

Maynooth is a pleasant 18th century "planned town" with a population of 8,500, located about 22 km west of the city centre of Dublin. In addition to NUI Maynooth, Maynooth is home to St. Patrick's College, a Catholic Seminary and Pontifical University founded over 200 years ago. Maynooth has good restaurants, pubs, and shopping facilities.

SPONSORSHIP

We gratefully acknowledge sponsorship from the Atomic and Molecular Interactions Group of the Institute of Physics, the National University of Ireland Maynooth, the European Physical Journal, and Fáilte Ireland.

3. REGISTRATION

All participants are required to register for POSMOL 2011. The registration and payment of registration fees is handled by Maynooth Campus Conference and Accommodation. Payment is required to complete registration. The payment web-site accepts MasterCard and Visa credit cards. Delegates will find the link to the registration webpages by clicking on the [Registration](#) tab on the conference website and following the link on that page.

The **regular participant fee** is €275 and includes access to the lectures, the poster sessions, the coffee and tea breaks, 3 lunches, Saturday dinner, the conference dinner on Sunday, the printed Programme and Abstract Book, internet access, and the social events (welcome reception, traditional music session; see further details below).

The **student participant fee** is €135 and includes the same package as that of the regular participants. Following their on-line registration and in order to qualify for the reduced registration fee, students should arrange for a letter from their supervisor on official university letterhead, stating that they are a student, to be sent to the Local Organiser (see contact on page 6), by post, by email, or by fax.

The **accompanying persons fee** is €105 and includes morning coffee/tea, Saturday dinner, the conference dinner on Sunday, internet access, and the social events (welcome reception and traditional music session). Lunches and afternoon coffee/tea are not included.

The on-line registration page lists three items for which payment is involved: **registration**, **accommodation**, and **bus transport to Belfast**. Delegates can register and book accommodation and bus transport in a single session, but need to have been registered if they wish to book accommodation or bus transport at a later stage. For changes not involving payment, please contact posmol2011@nuim.ie. A cancellation charge of 5% applies to all cancellations.

VISAS

Delegates who require a [visa](#) for entering the Republic of Ireland to attend POSMOL 2011 must complete an application form available online at www.visas.inis.gov.ie. They must then submit all the [supporting documents](#) they wish to have considered with their application for a Conference Visa to the Irish Embassy/Consulate in their current country of residence. Visa applications should be made at least 8 weeks in advance of proposed date of travel, and delegates are advised to make travel arrangements only after they have obtained a visa.

Delegates also attending ICPEAC 2011 should realise that Belfast is in Northern Ireland, which is part of the United Kingdom. For attending both conferences delegates may need two visas: one for the Republic of Ireland for attending POSMOL 2011, and one for the United Kingdom for attending ICPEAC 2011.

The Republic of Ireland is reluctant to issue multiple-entry visas without a “previous compliant travel history to the State”. Persons who are attending both POSMOL 2011 and ICPEAC 2011, and who need visas for this, are advised to depart from Northern Ireland, and not to return to the Republic (see also the notice on the ICPEAC website).

Note that while both the UK and Ireland are members of the EU, neither are in the Schengen area. One cannot visit these countries with only a Schengen visa.

LETTERS OF INVITATION

Letters of invitation for POSMOL 2011 may be requested from posmol2011@nuim.ie, but will only be issued to confirmed invited speakers or to participants with an accepted abstract who have paid the registration fee and have booked accommodation.

Please note that a letter of invitation does not imply any obligation, financial or otherwise, on the part of the organisers of POSMOL 2011.

DISCLAIMER

Neither the POSMOL 2011 Local Organising Committee, nor Maynooth Campus Conference and Accommodation, nor the National University of Ireland Maynooth will be responsible for any medical expenses or other unforeseen expenses incurred by participants and/or accompanying persons. Neither of these organisations will accept any liability for personal injuries sustained, or for loss or damage to property belonging to conference participants, either during or as a result of the conference. Participants are strongly advised to purchase appropriate health and travel insurance before leaving home.

4. SCIENTIFIC PROGRAMME

LECTURES

The scientific programme consists of Plenary Lectures, Invited Lectures and Poster Sessions, which are all held in the lecture theatres of the John Hume Building on the North Campus of the National University of Ireland Maynooth.

List of invited speakers (tentative):

S. Buckman	J. Danielson	H. Jónsson	A. Mills	H. Tanaka
I. Cadez	M. Doser	M. Kitajima	Z. Petrovic	H. Tanuma
L. Campbell	J. Gabrielse	H. Knudsen	O. Plekan	L. M. N. Tavora
D. Cassidy	U. Gendotti	E. Krishnakumar	F. Robicheaux	J. de Urquijo
M. Charlton	F. Gianturco	G. Laricchia	A. V. Solov'yov	R. Utumuratov
L. Chiari	G. Gribakin	P. Limaó-Vieira	H. Sugawara	V. Vizcaino
M. Cisek	M. Holzwarth	C. W. McCurdy	J. Sullivan	J. Walters
R. Cooke	A. Jones	K. Michishio	T. Tachibana	F. Wang

The Workshop and the Symposium will hold invited lectures in parallel sessions. The programmes of invited lectures will be assembled by the International Advisory Committees. At registration, all delegated will be provided with a printed copy of the Programme and Abstract Book, which will contain the abstracts of the plenary and invited lectures, and the poster abstracts.

All speakers are asked to submit a one-page abstract of their talk for inclusion in the Programme and Abstract Book. Templates and instructions for preparation and submission of [abstracts](#) can be found on the conference website.

POSTER CONTRIBUTIONS

Delegates wishing to make a poster contribution are asked to submit an abstract to the Local Organising Committee for acceptance. Accepted abstracts will be included in the Programme and Abstract Book. The deadline for submission of abstracts is 10 June 2011. Templates and instructions for preparation and submission of [abstracts](#) can be found on the conference website. Only abstracts for which at least one author has registered will be accepted.

Poster boards of A0 portrait size (84 x 108.8 cm / 33 x 42.8 inch) will be provided at the conference. There will be afternoon poster sessions on Saturday 23 July and Sunday 24 July. Delegates, whose abstract has been approved, will be notified on which afternoon they are presenting their poster, and are asked to put up their poster in the morning and to take down their poster at the end of the poster session.

The Atomic and Molecular Interactions Group of the Institute of Physics will present a prize of €60 to the postgraduate student who presents the best poster at POSMOL 2011.

5. TRAVEL

TRAVEL TO IRELAND

[Dublin Airport](#) is the international airport closest to Maynooth, and is served by 78 airlines via more than 200 routes. People travelling onwards to [ICPEAC 2011](#) in Belfast could consider flying out of Ireland from [Belfast International Airport](#) or [Belfast City Airport](#). Regular bus and train services connect Maynooth to Dublin and to other towns in Ireland. More information about travel to Maynooth can be found on the [conference website](#).

The official currency of the Republic of Ireland is the Euro.

TRAVEL FROM DUBLIN AIRPORT TO MAYNOOTH

On Friday 22 July complimentary bus transport will be organized by POSMOL 2011. There will be two or three bus departures from Dublin Airport to Maynooth in the course of the afternoon and evening. Delegates wishing to avail of this service should enter their arrival information (flight number and arrival time) on the on-line registration page. The bus departure times will be decided based on the arrival times of the delegates and will be posted on the conference website several days in advance of the conference. The buses will depart strictly on the times allocated, and will not wait for delayed flights.

Delegates arriving on other dates (or arriving after departure of the last bus on Friday because their flight is delayed) are responsible for their own travel. Further details about travel including maps and bus and train schedules are provided on the conference website.

TRAVEL FROM MAYNOOTH TO BELFAST

Buses will be arranged for delegates wishing to travel to ICPEAC in Belfast. The buses will depart on Monday 25 July at 3.00 pm. Delegates can book bus seats on the registration page of POSMOL 2011. The cost for a seat is € 25. Delegates have to book their seat in advance; booking at the registration desk will not be possible.

Delegates can also use public transport to travel to Belfast. The most convenient means of travel is by train from Maynooth to Dublin and onwards to Belfast. Details are provided on the conference website.

WEATHER

Summer weather in Maynooth is often very pleasant with temperatures in the low 20s on a sunny day, but can be somewhat fresher when the sky is overcast. Average daily rainfall is about 1.5 mm during the summer. July is normally the warmest month, with a mean daily maximum temperature of about 20 °C (68 °F), and an average of 5 hours of sunshine per day. Delegates are advised to bring a light sweater and a rain jacket.

6. ACCOMMODATION

ON-CAMPUS ACCOMMODATION

A large number of rooms have been reserved on the campus of the National University of Ireland Maynooth. The booking of accommodation is handled by Maynooth Campus Conference and Accommodation. Delegates can book accommodation on the registration webpage, which is accessed by clicking on the [Registration](#) tab on the conference website and following the link on that page. The deadline for booking accommodation is Friday 10 June 2011. The payment web-site accepts MasterCard and Visa credit cards.

Four different types of [on-campus accommodation](#) are offered:

- College Room (shared facilities): € 33.70 single / € 29.70 sharing per night
- Apartment Ensuite € 43.70 single per night
- Regular Ensuite: € 59.70 single / € 39.70 sharing per night
- Superior Ensuite: € 76.70 single / € 50.20 sharing per night

All on-campus accommodation includes breakfast which is held in Pugin Hall (see campus map on last page). Delegates can book additional nights before and after the conference.

The regular and superior ensuites are most suitable for delegates bringing an accompanying person. There are only a limited number of these available, and these can be booked on a first-come first served basis. The registration page provides additional information on these types of accommodation.

CHECKING IN

Maynooth Campus Conference and Accommodation maintains accommodation offices on both the North Campus and the South Campus. These offices are open from 8.30 am until 7.30 pm and from 8.00 pm until 11.00 pm. (Delegates arriving late due to unforeseen circumstances should go the Security Office at the Front Gate of the South Campus.)

Upon arrival, delegates are asked to collect their room key and drop their luggage into their room before going to the registration desk and/or attending the welcome reception. Delegates staying in a College Room, a Regular Ensuite, or a Superior Ensuite should collect their room key from the accommodation office on the South Campus. Delegates staying in an Apartment Ensuite should collect their room key from the accommodation office on the North Campus. These offices are indicated on the campus map (see last page).

OFF-CAMPUS ACCOMMODATION

No arrangements have been made for off-campus accommodation. The only hotel within walking distance of the university is the Glenroyal Hotel in Maynooth. Delegates who wish to stay off-campus should make their own arrangements.

7. SOCIAL PROGRAMME

LUNCHESES AND SATURDAY DINNER

Lunches on Saturday 23 July, Sunday 24 July and Monday 25 July and dinner on Saturday 23 July will be held in Pugin Hall on the South Campus (see campus map on last page), and are included in the registration fee for regular and student delegates. Registered accompanying persons are welcome to join the dinner on Saturday 23 July.

WELCOME RECEPTION

The welcome reception will be held on Friday 22 July, 6.00 - 8.00 pm in the [National Science Museum](#) on the South Campus (see campus map on last page). All delegates are invited to attend the reception. The museum is part of St. Patrick's College Maynooth, and features the finest collection of historic scientific instruments in Ireland and other items of interest. The Curator, Dr. Niall McKeith, will provide explanations about the exhibits.

TRADITIONAL MUSIC SESSION

All delegates are invited to a traditional music session featuring Irish musicians, which will be held on Saturday 23 July, 8:30 – 11 pm, upstairs in Brady's Clock House Pub on the Square in Maynooth. Drinks not included!

CONFERENCE DINNER

The conference dinner will be held at 8:30 pm on Saturday 23 July will be held in [Pugin Hall](#) on the North Campus (see campus map), and all delegates are invited to attend. Pugin Hall is named after the well-known English architect A. W. Pugin, who designed a number of the buildings around St. Mary's Square (the Bicentenary Garden) on the South Campus.

ACCOMPANYING PERSONS

No additional arrangements have been made for accompanying persons. Maynooth is a good base for exploring Dublin; there are regular trains to the city centre of Dublin. The conference website provides more information on things to do (see the heading Leisure under the [Travel](#) tab).

8. CONTACT AND COMMITTEES

CONTACT (CONFERENCE OFFICE)

Peter J. M. van der Burgt
Department of Experimental Physics
National University of Ireland Maynooth
Maynooth Co. Kildare
Ireland
Tel. +353-1-7083782
Fax +353-1-708 3313
Email: posmol2011@nuim.ie

LOCAL ORGANISING COMMITTEE

Peter J M van der Burgt (Maynooth, Ireland; Chairman)
Tom Field (Belfast, UK)
Jimena Gorfinkiel (Open University, UK)
Gleb F Gribakin (Belfast, UK)
Gaetana Laricchia (London, UK)
Beverley Bishop (Open University, UK; Secretarial Support)

INTERNATIONAL ADVISORY COMMITTEE FOR POSITRON WORKSHOP

Radu Campeanu (Canada; Chairman)	Gleb F Gribakin (UK) Helge Knudsen (Denmark)	Clifford M Surko (USA) James Walters (UK)
Michael Brunger (Australia)	Akos Kover (Hungary)	Sandra Ward (USA)
Stephen Buckman (Australia)	Gaetana Laricchia (UK)	Yasu Yamazaki (Japan)
Michael Charlton (UK)	Marco A P Lima (Brazil)	
Franco A Gianturco (Italy)	Yasuyuki Nagashima (Japan)	

INTERNATIONAL ADVISORY COMMITTEE FOR ELECTRON-MOLECULE SYMPOSIUM

Oddur Ingólfsson (Iceland; Chairman)	Hyuck Cho (Korea) Roman Curik (Czech Republic)	Thomas Field (United Kingdom) M Hoshino (Japan)
M Bettiga (Brazil)	Sacha Dujko (Serbia)	Larry Viehland (USA)
Michael Brunger (Australia)	Ilya Fabrikant (USA)	Ronald White (Australia)

